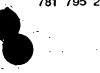
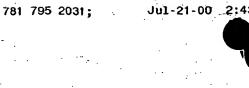
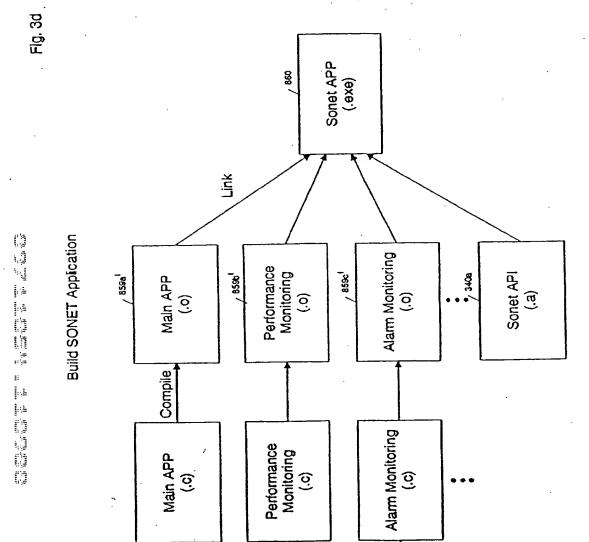


FIG. 30







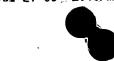
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Fig. 3e

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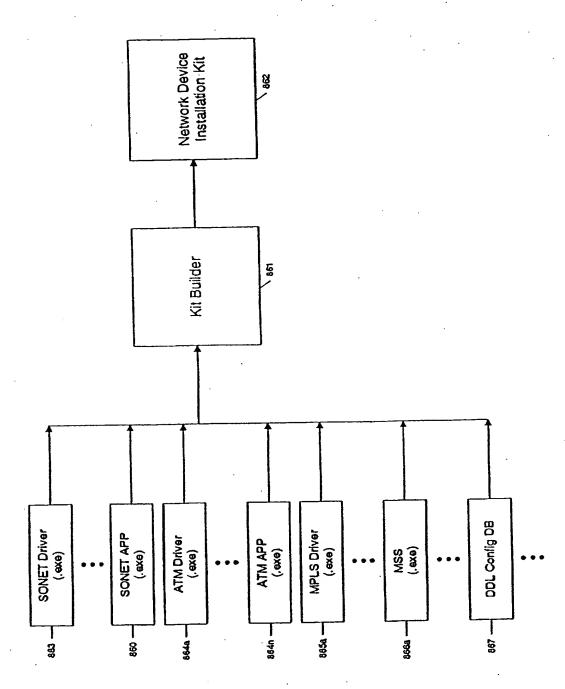
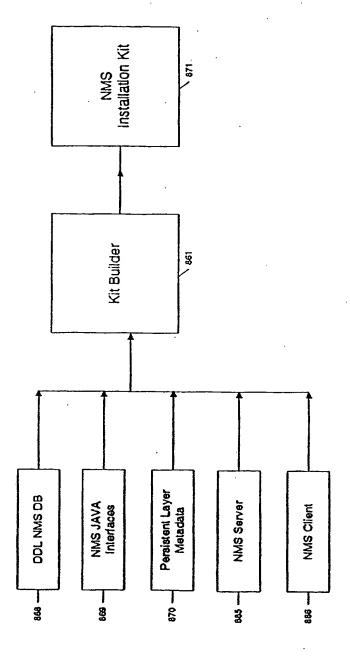


Fig. 35



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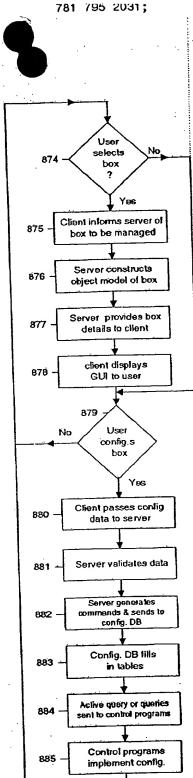


Fig. 3g

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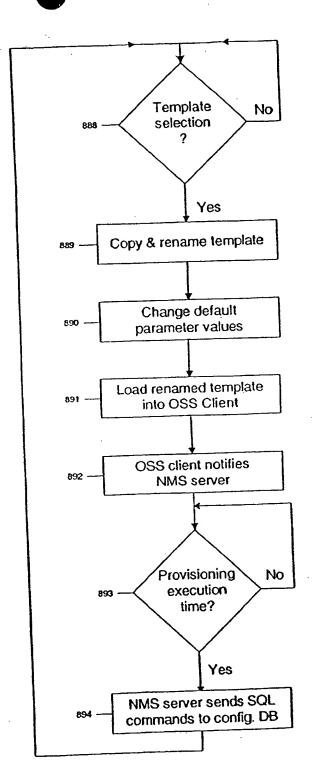


Fig. 3h

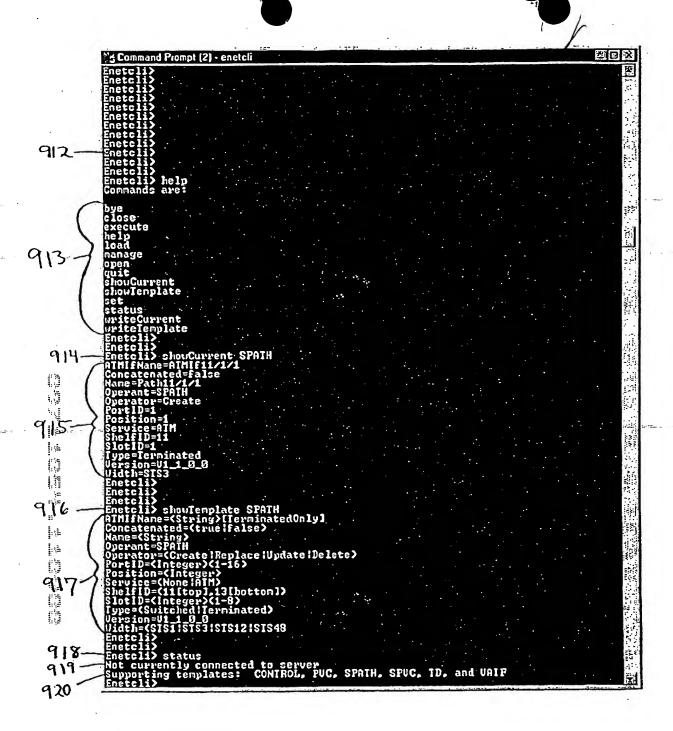


Fig.3i

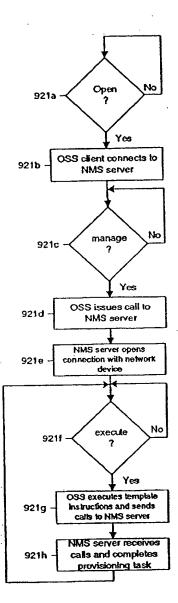
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Operant=BATCH Operator=Execute Version=V1_1_0_0 9249 Task1=execute-SPATH 9746 — Task2=execute-PVC 924c—Task3=execute-SPVC 924d-Task4=load-SPVC-spvc1 924e-Task5=execute-SPVC 9245 —Task6=load-SPVC-spvc2 924e—Task7=execute-SPVC

9249 — Task50=sct-SPATH-PortID-3 724h — Task51=execute-SPATH 9241—Task52=set-SPATH-SlotID-2 924) Task53=execute-SPATH

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Operant=BATCH Operator=Execute - Version=V1_1_0_0 725a—Task1=execute-CONTROL 9255 -Task2=execute-SPATH 925C Task3=set-SPATH-PortID-3 925d Task4=execute-SPATH

Task61=set-CONTROL-System-192.168.9.201 9254 — Task62=execute-CONTROL 9250 Task63=execute-SPATH

925h-Task108=close 925; -Task109=sct-CONTROL-Server-Scrver1 725 Task110=set-CONTROL-System-192.168.8.200 TaskIII=execute-CONTROL -Task112=execute-SPATH

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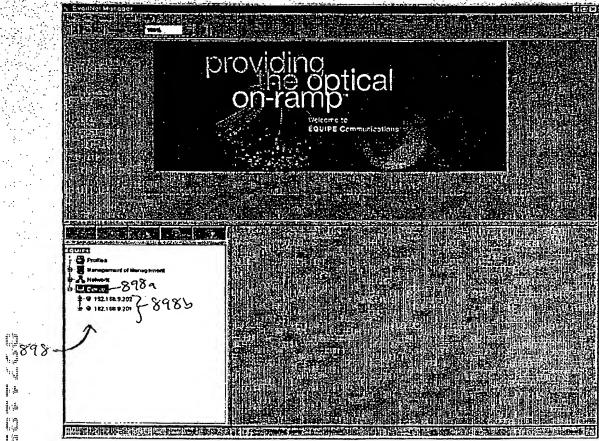


Fig. 4a



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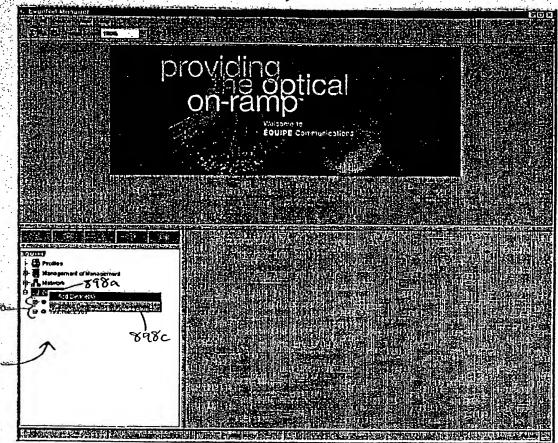


Fig.45



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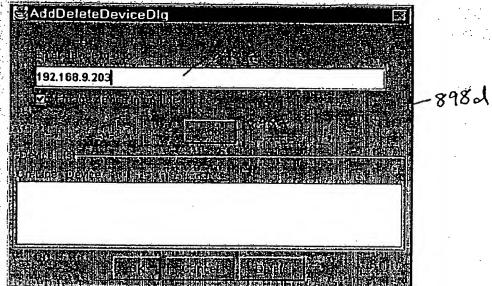
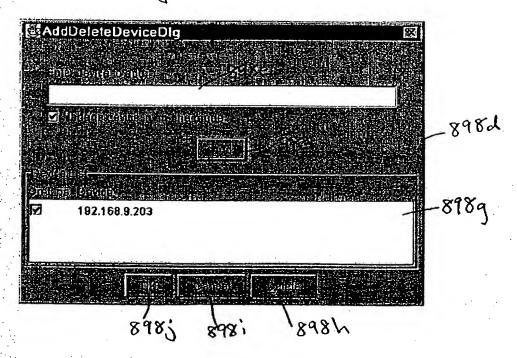


Fig. 4d









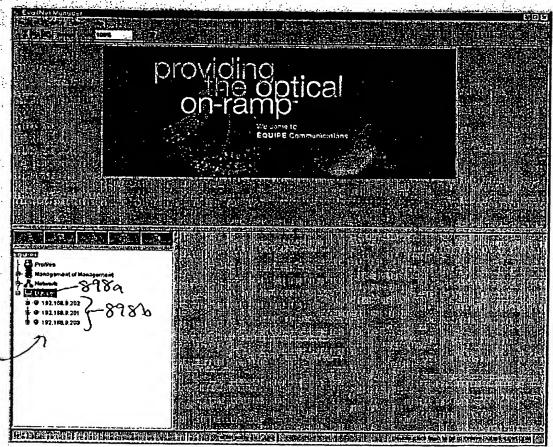
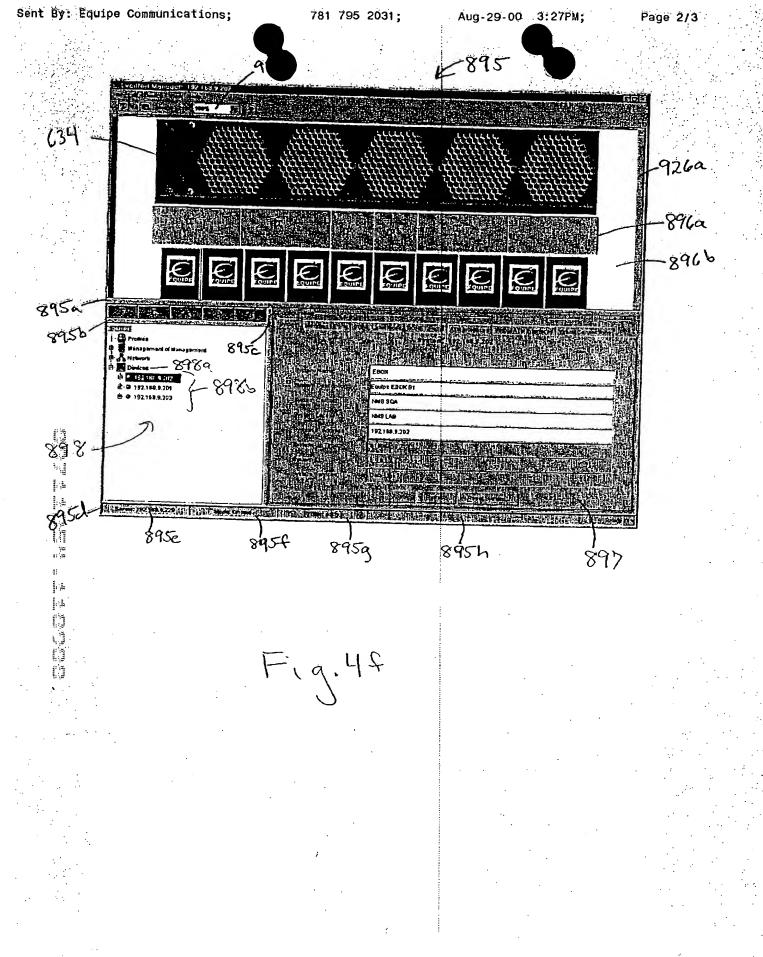


Fig. 4e



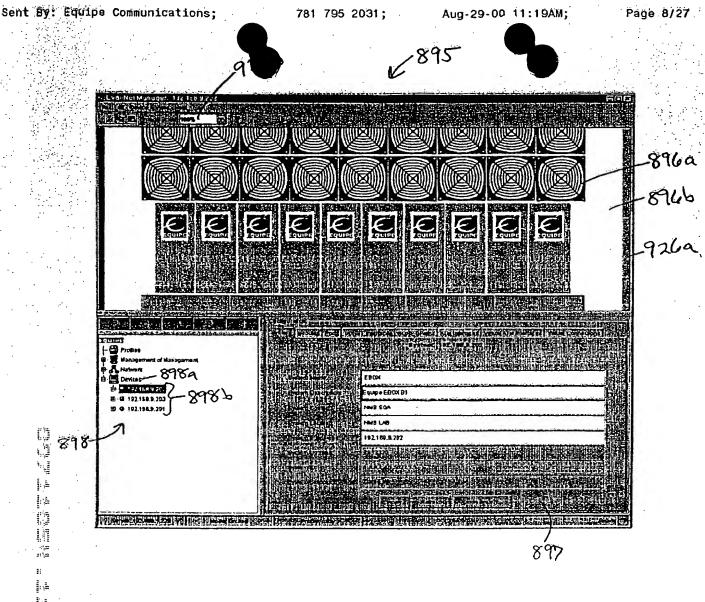


Fig. 49

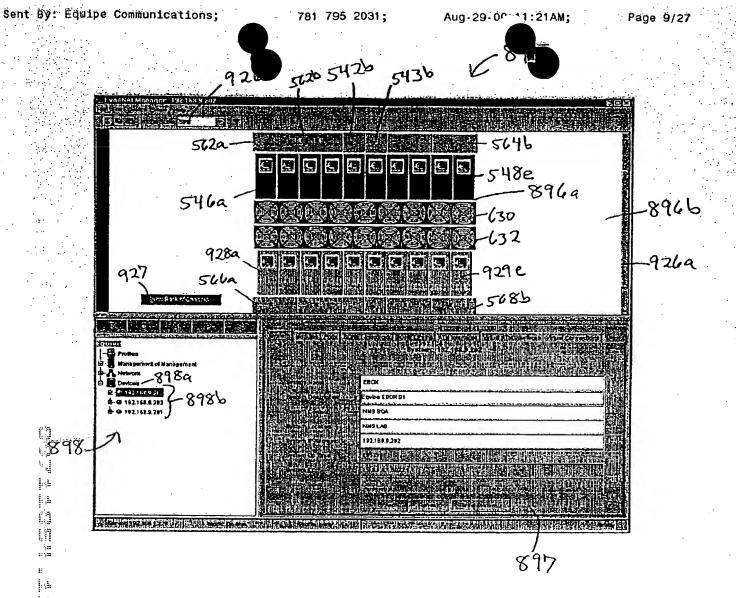


Fig.4h

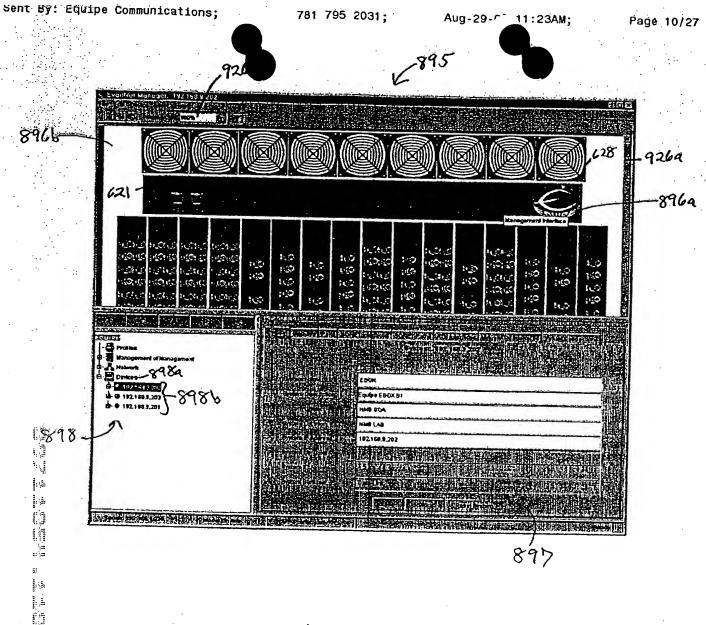


Fig. 4'i

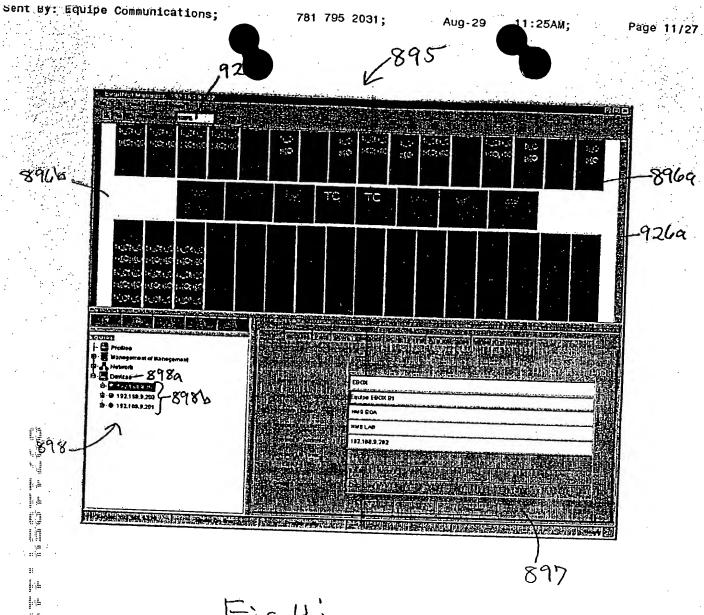
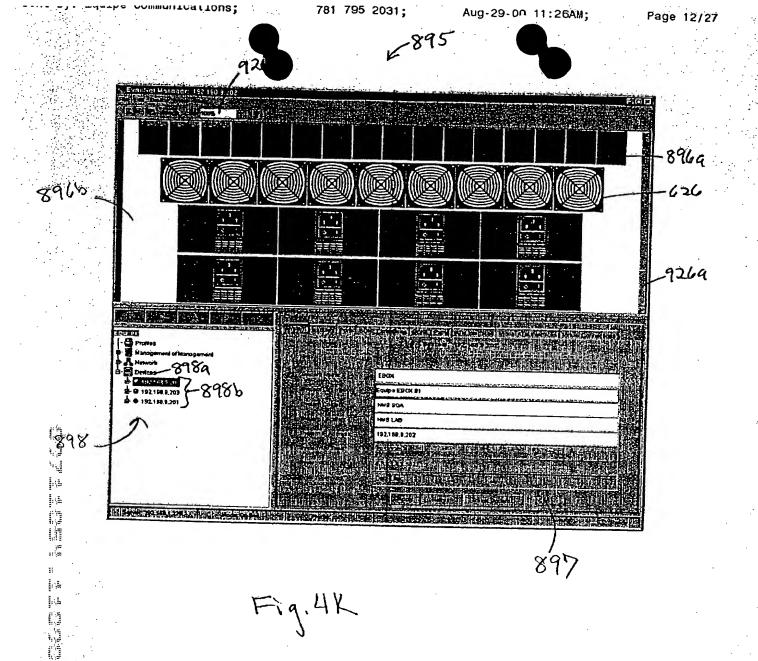
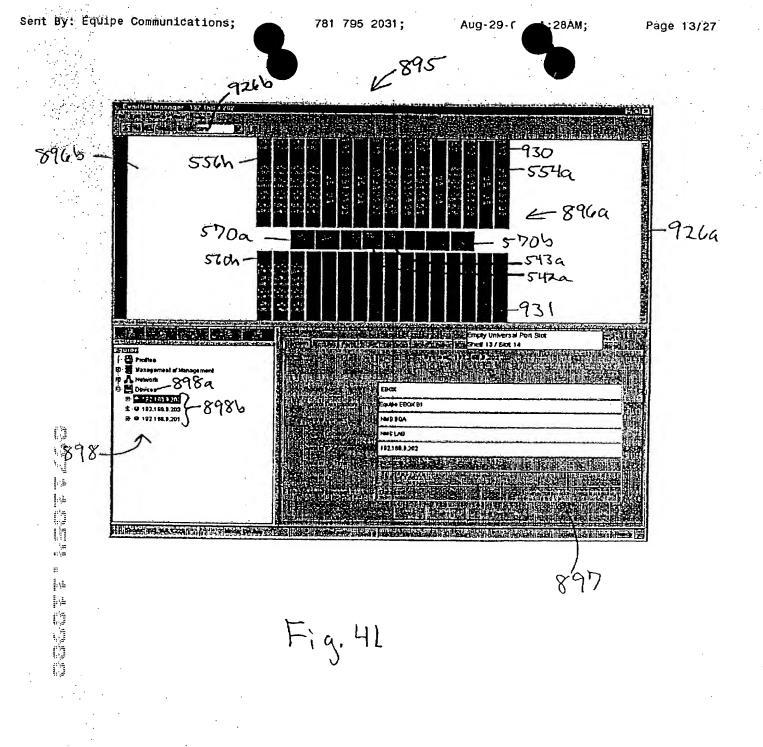


Fig.4j





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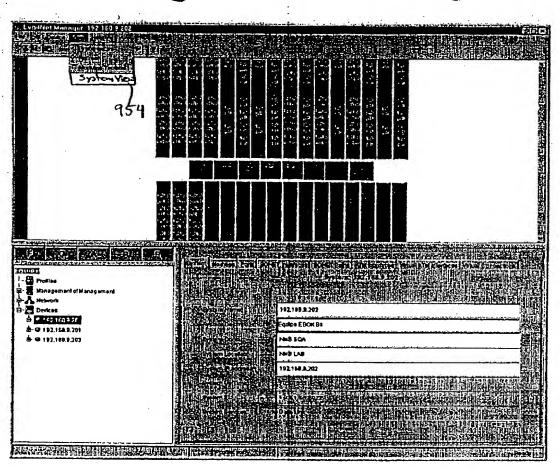


Fig. 4m



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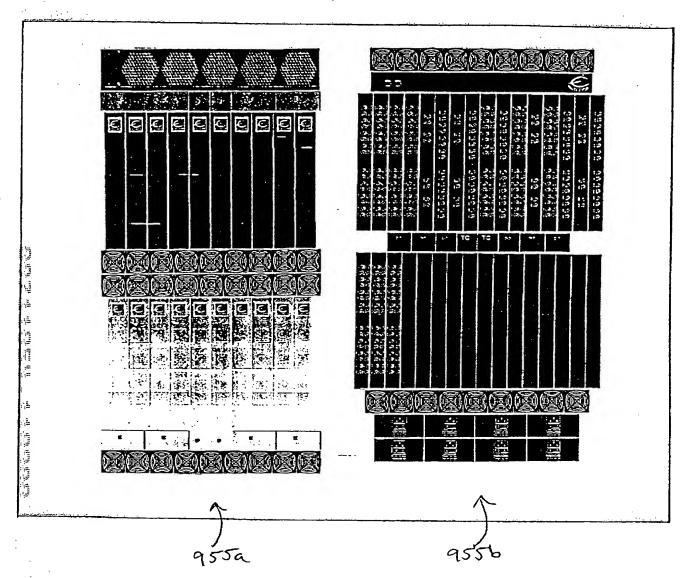


Fig.4n

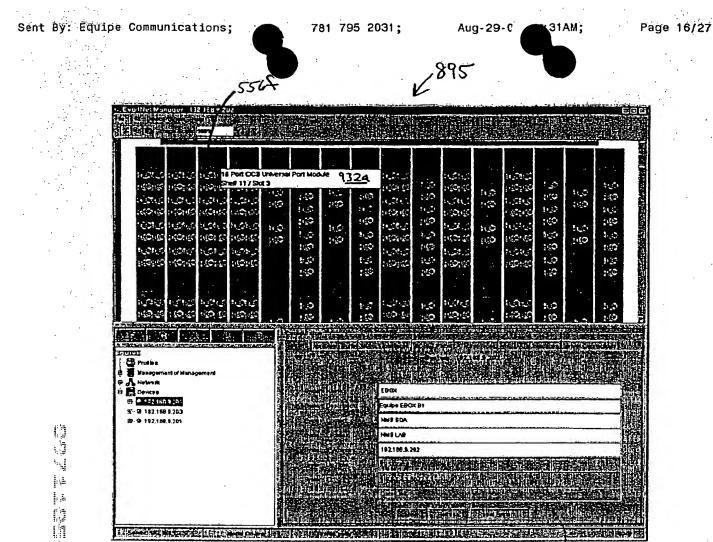


Fig.40

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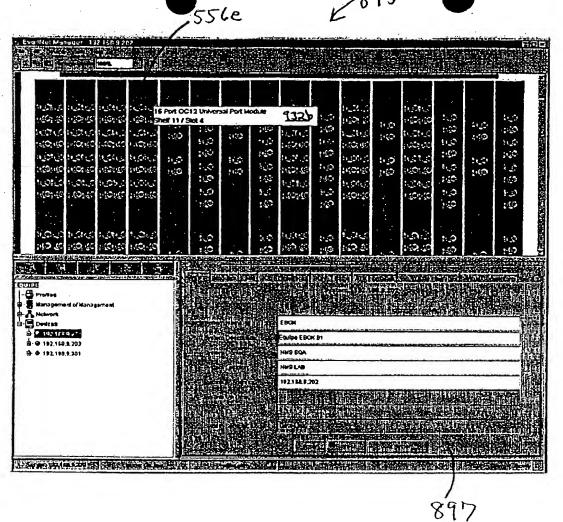


Fig.4P

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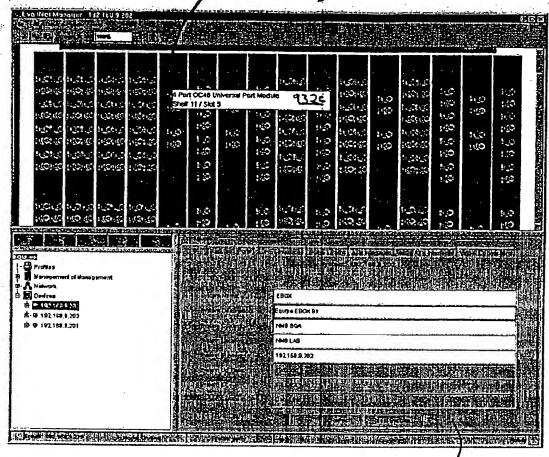
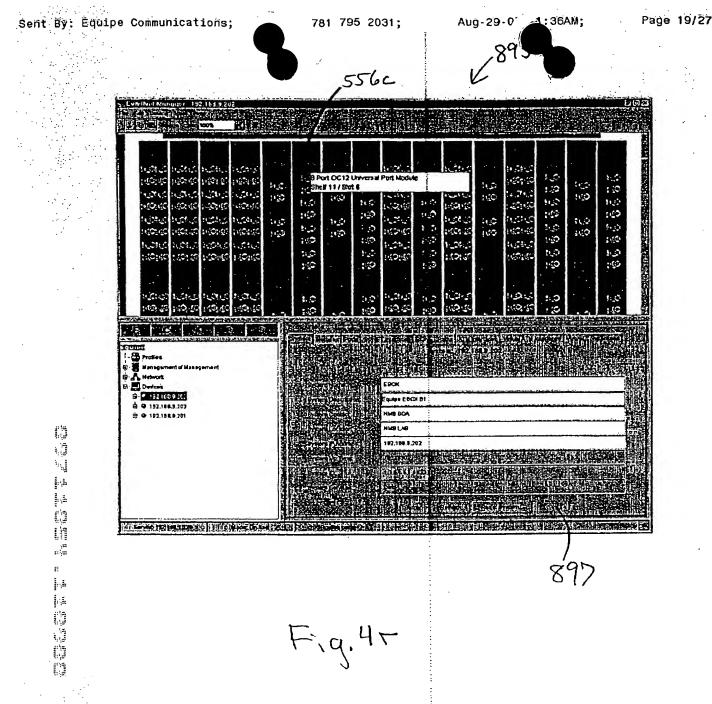
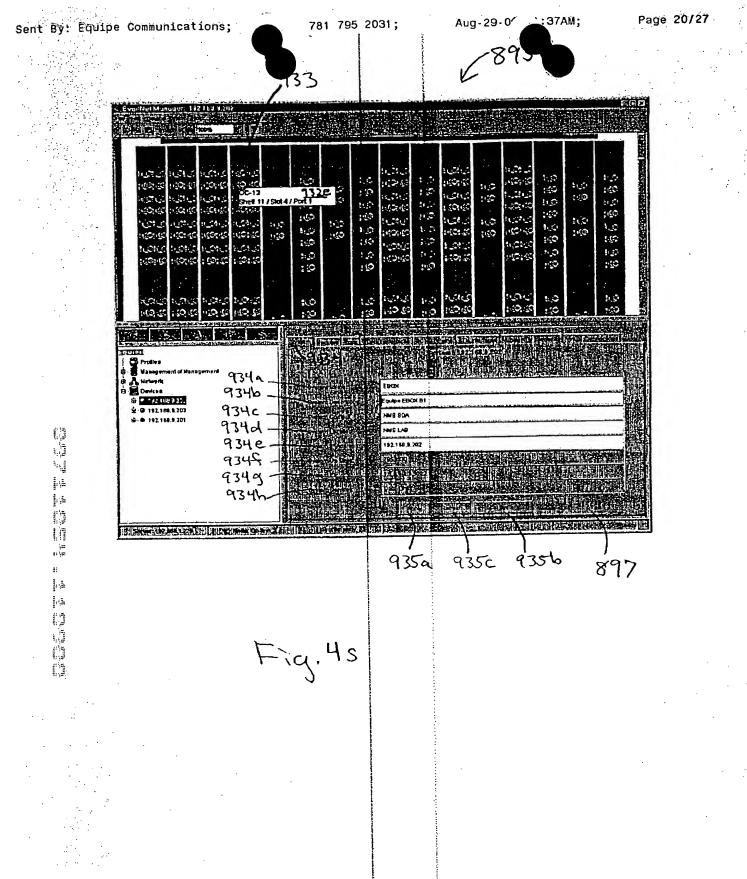
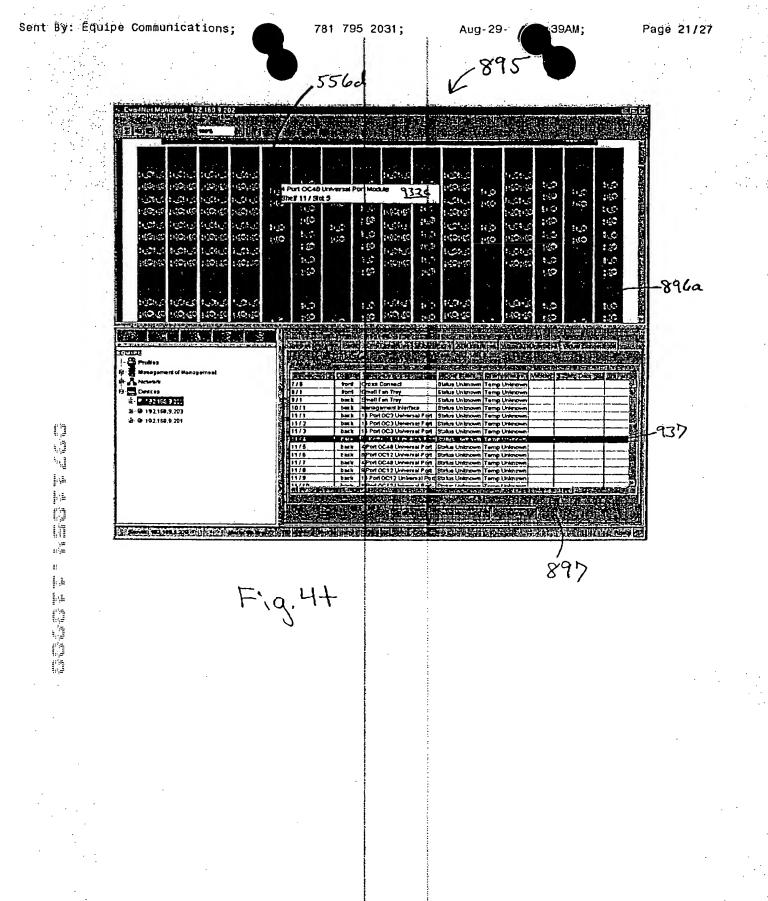


Fig. 48







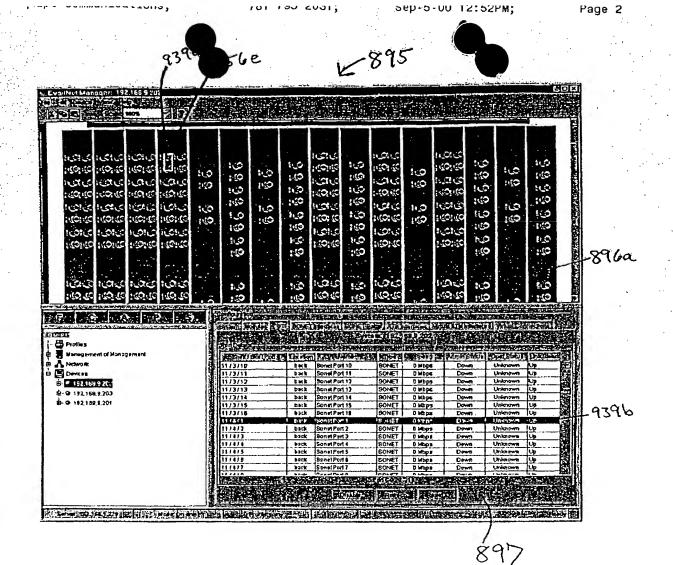
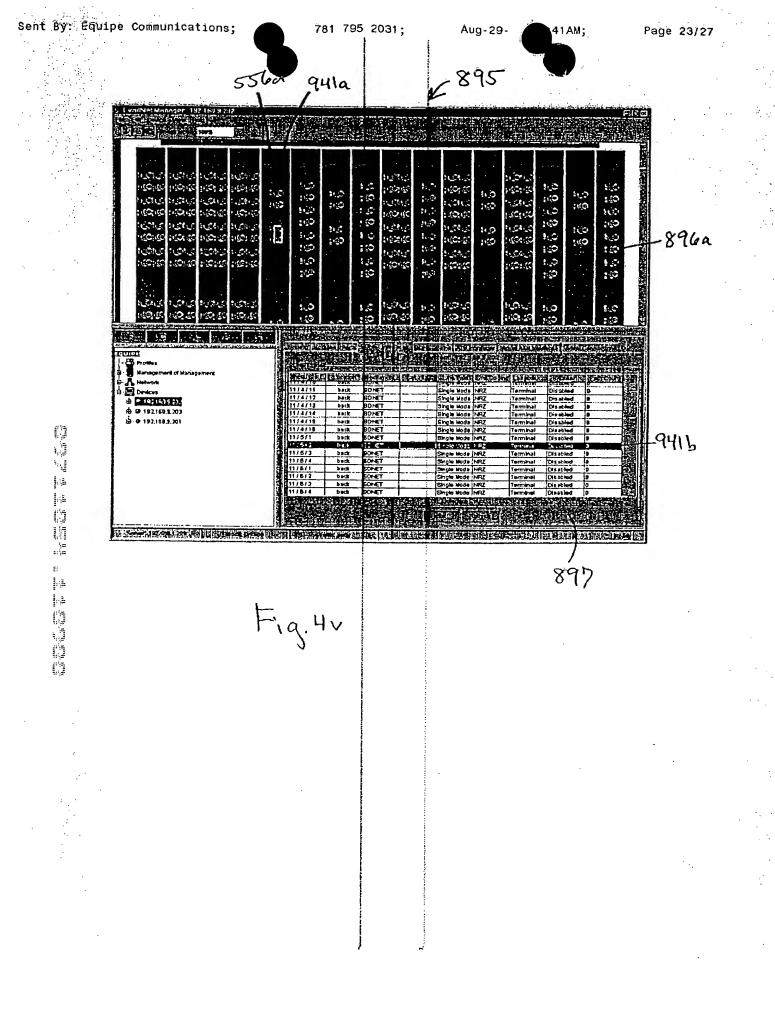


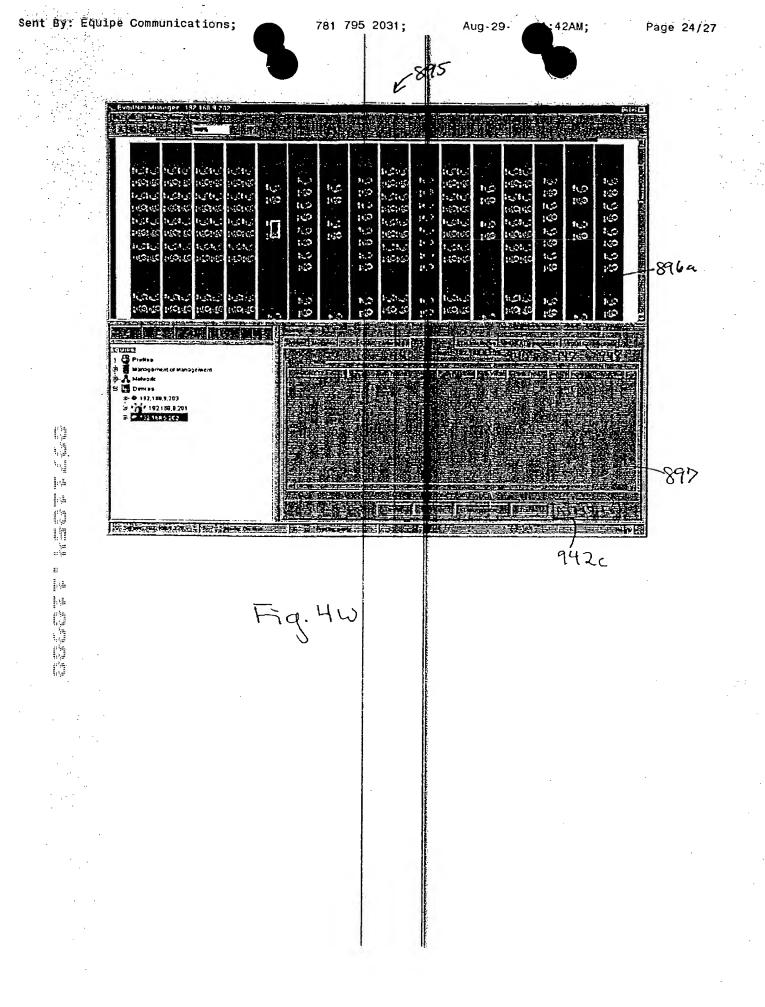
Fig.4u

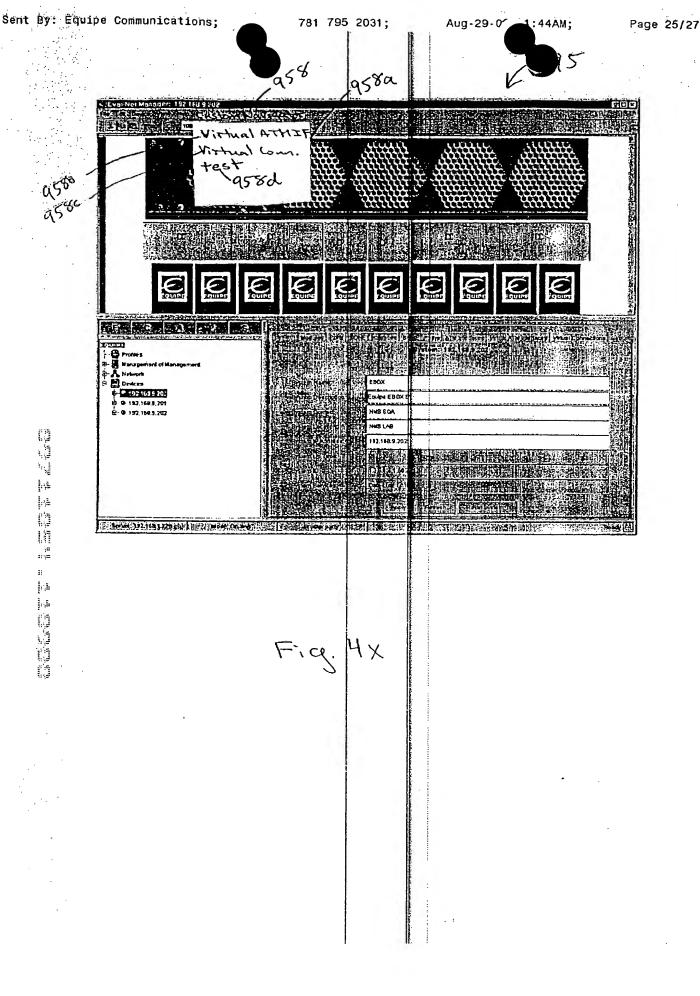
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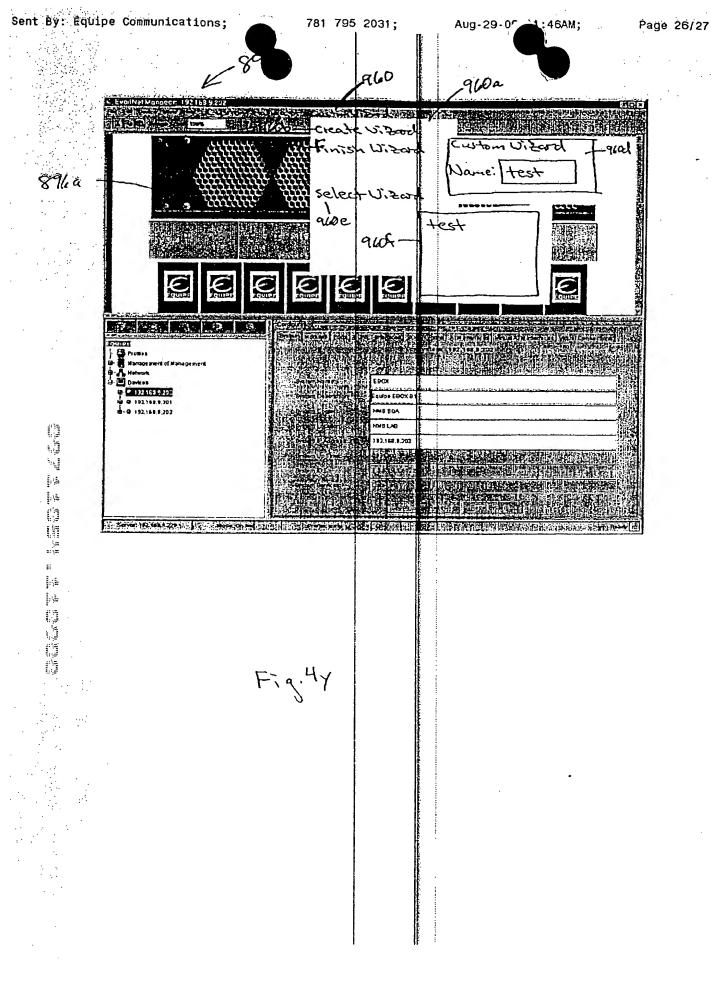
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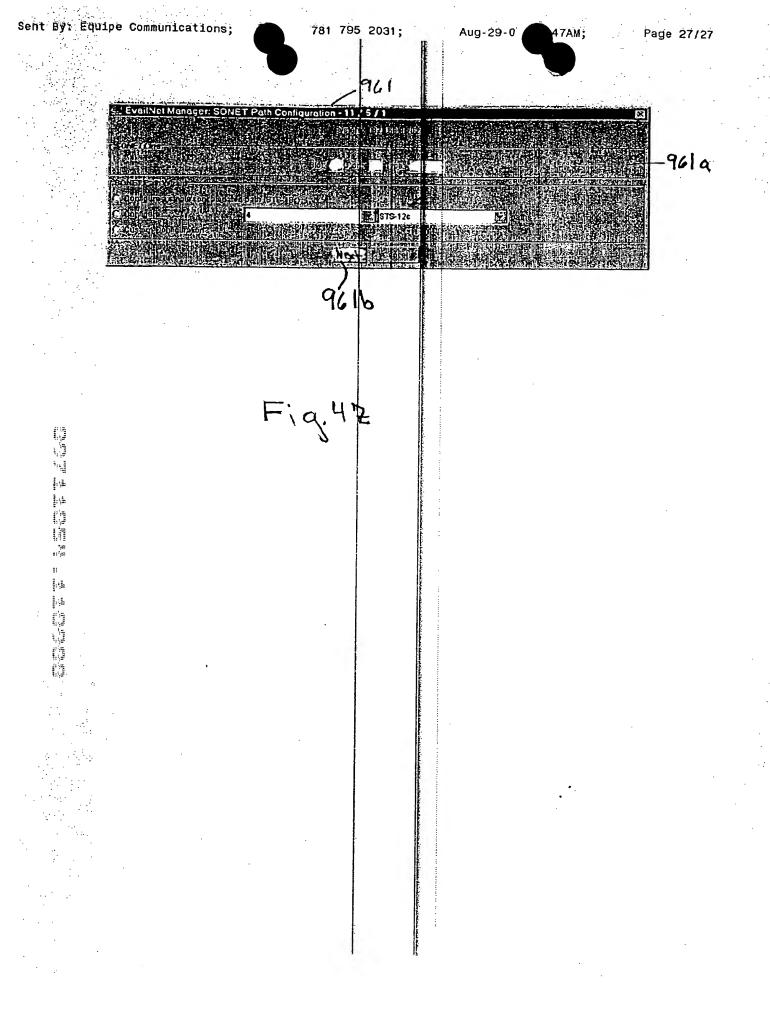
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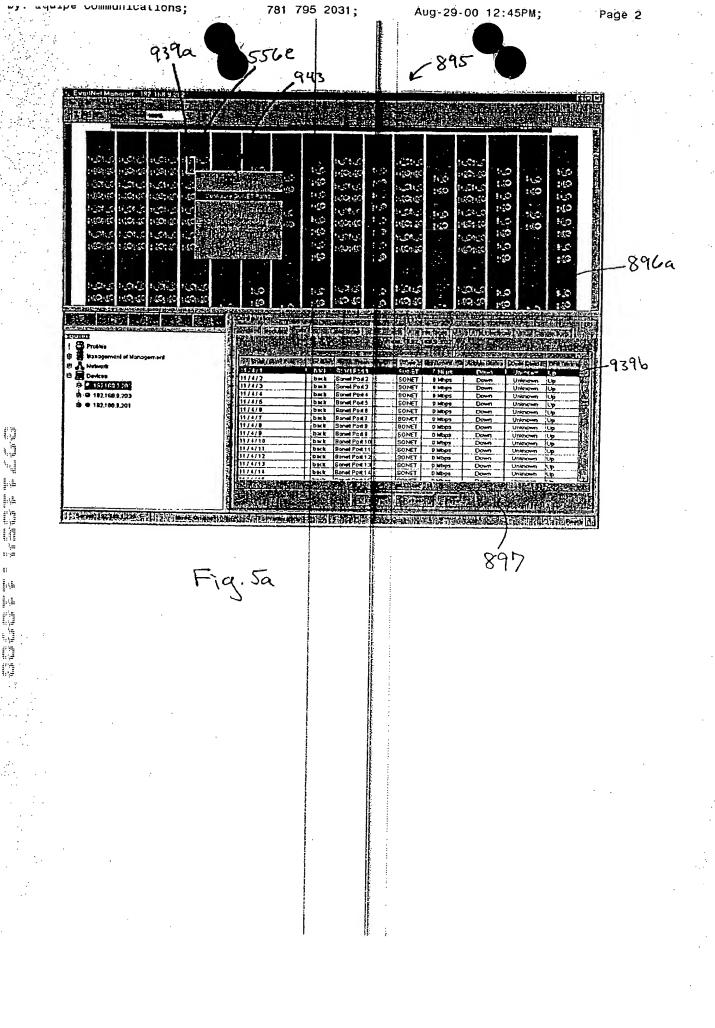


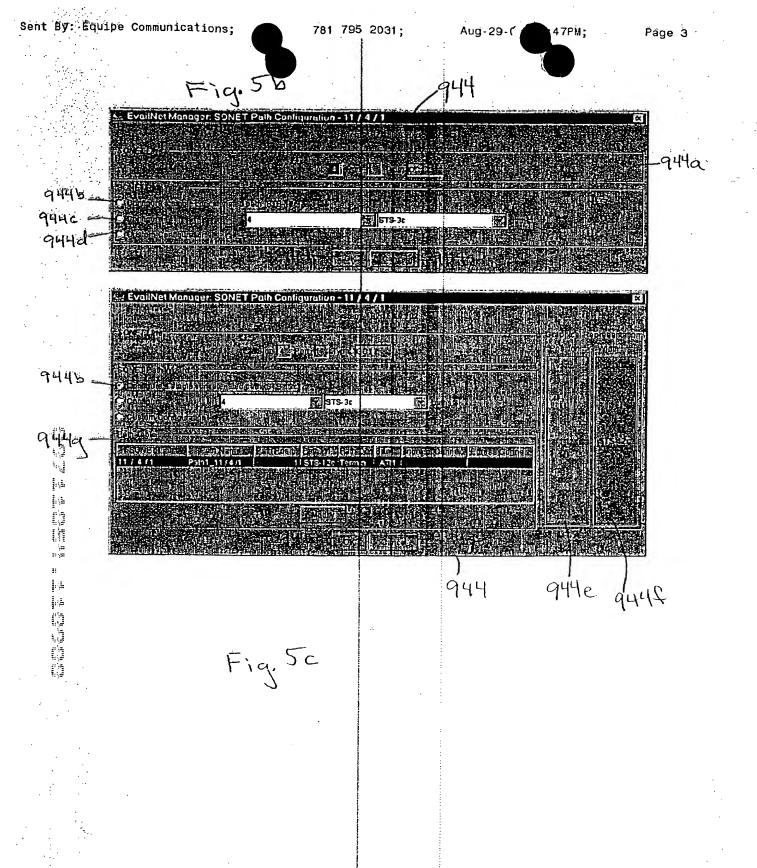


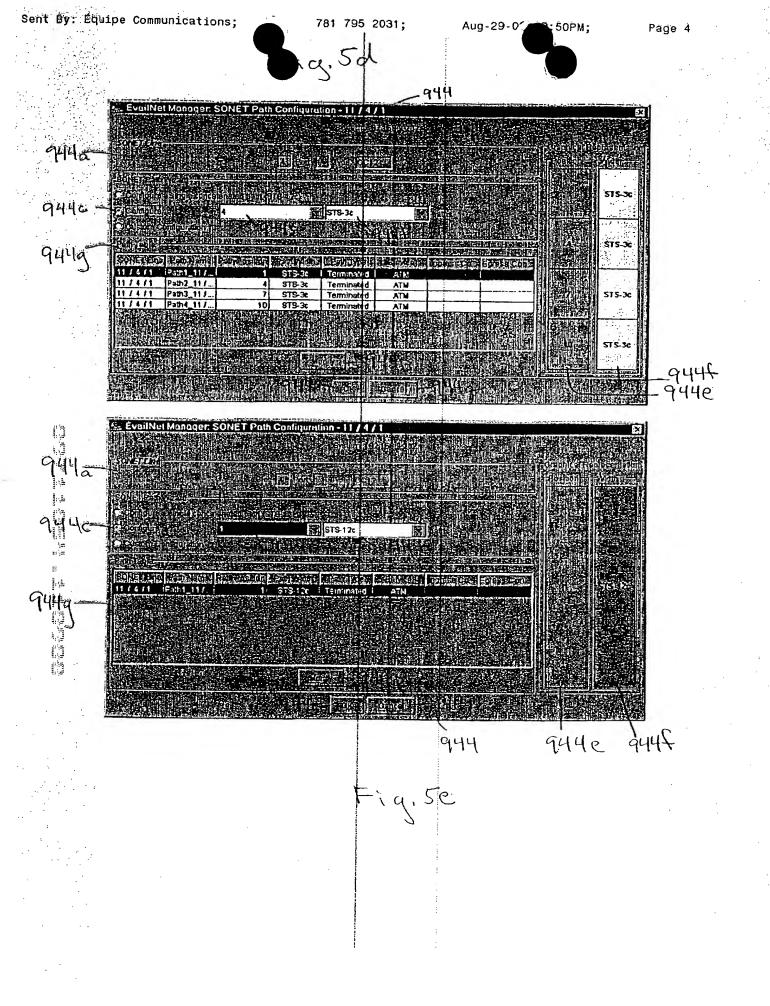


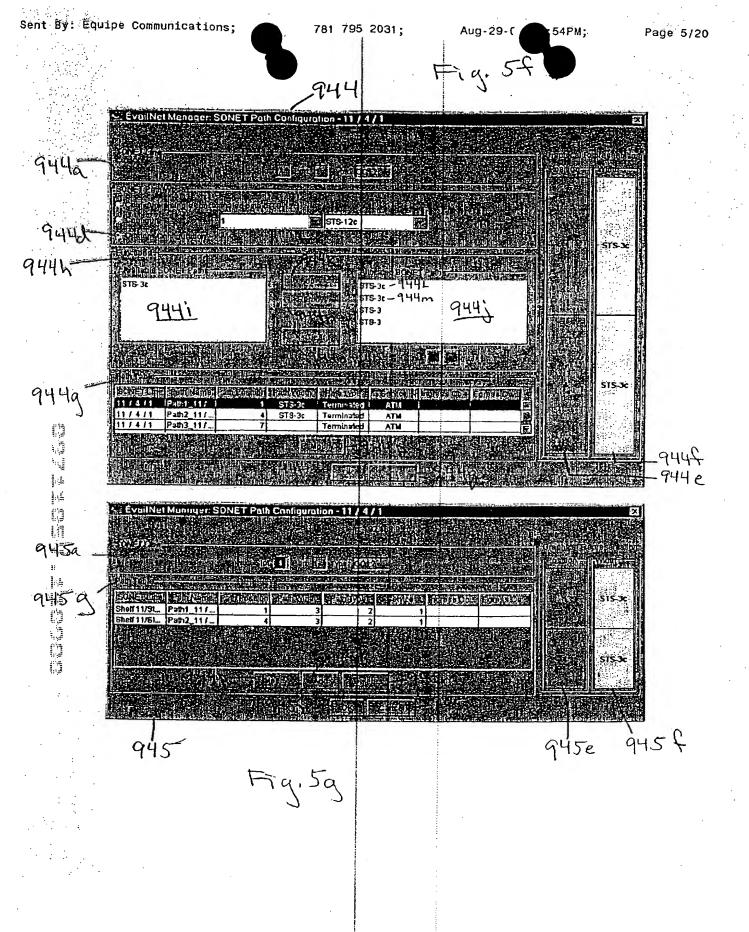


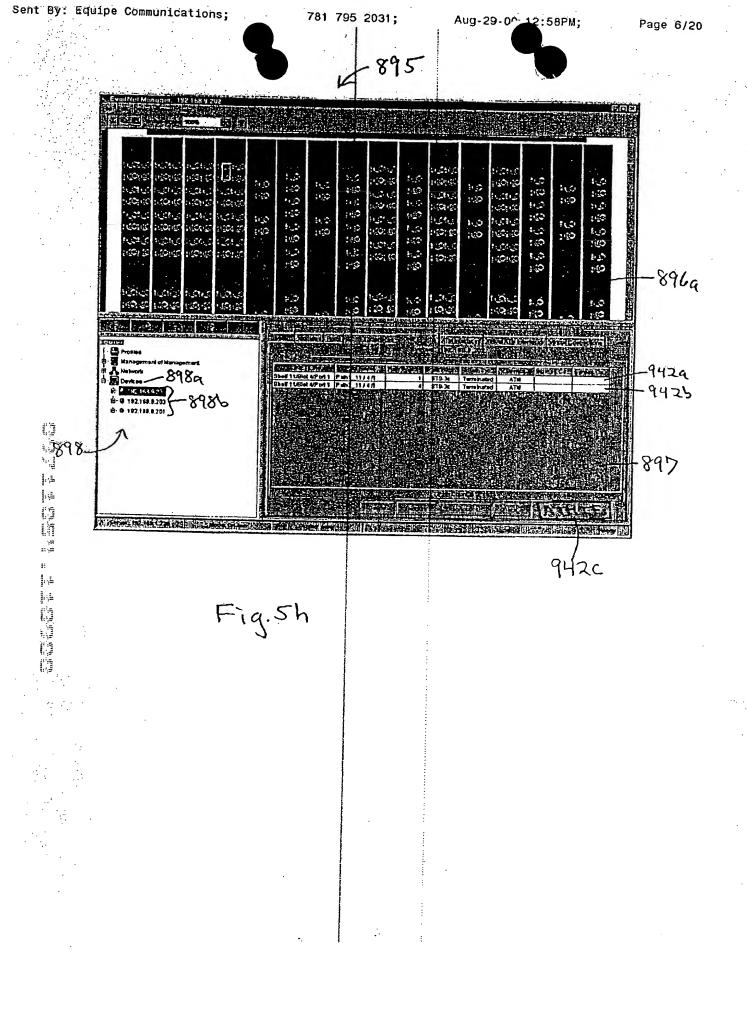


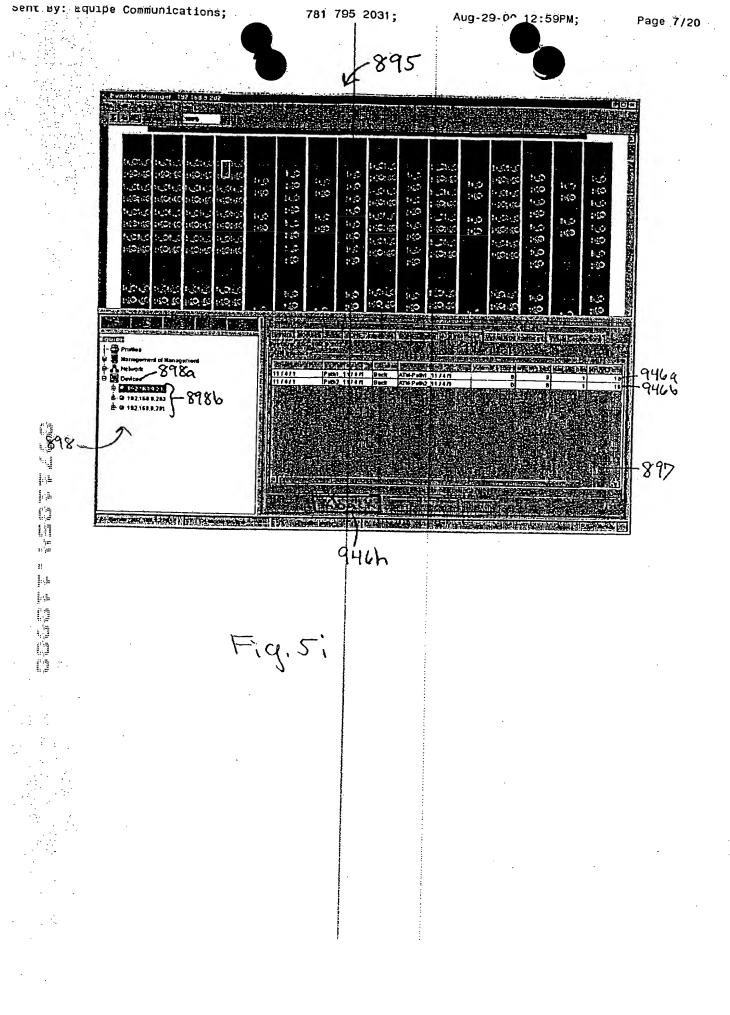


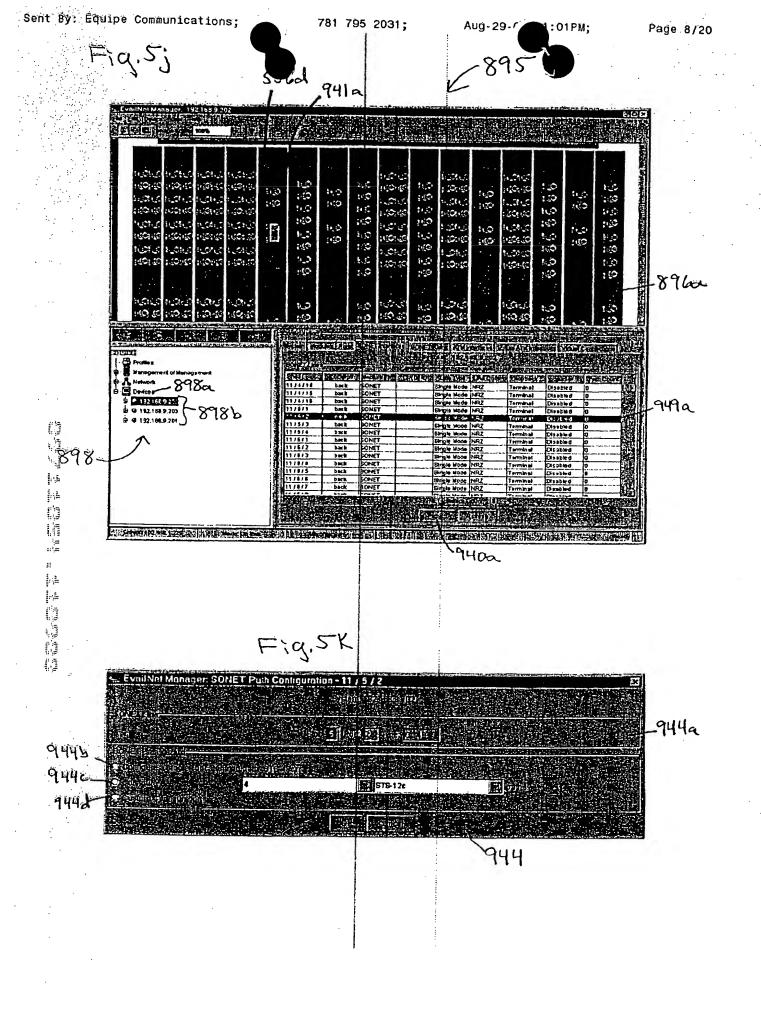


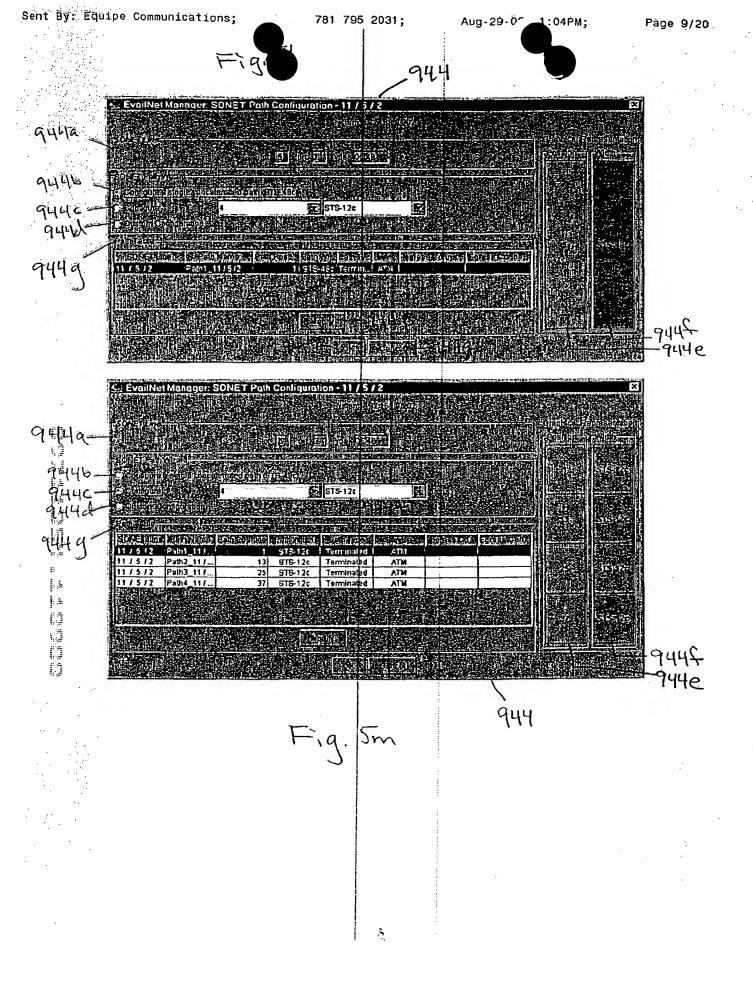


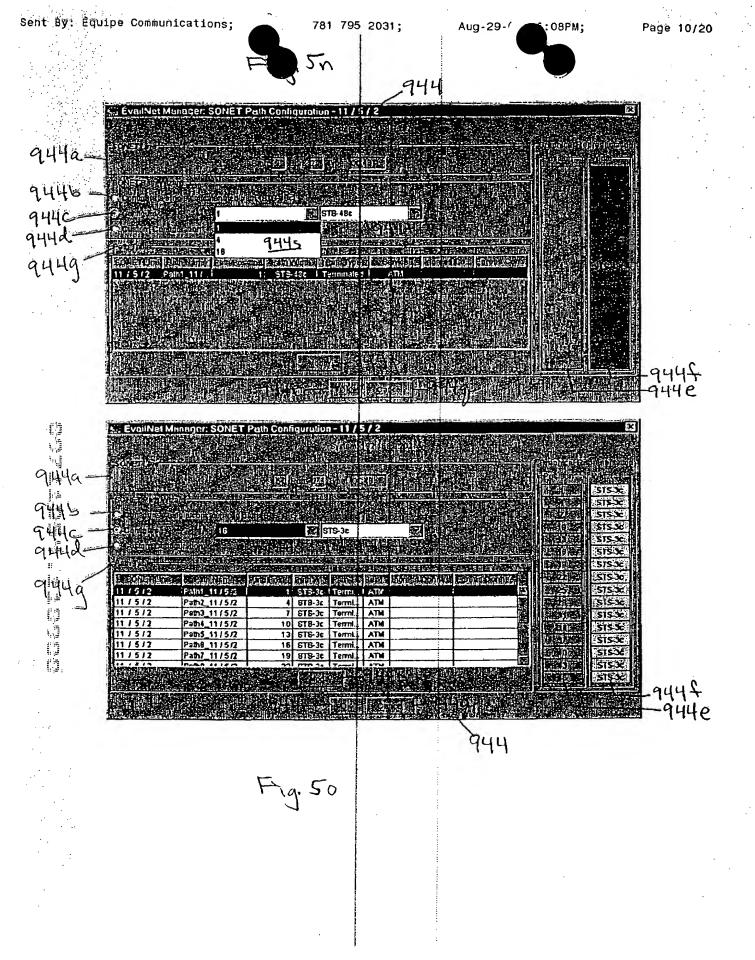


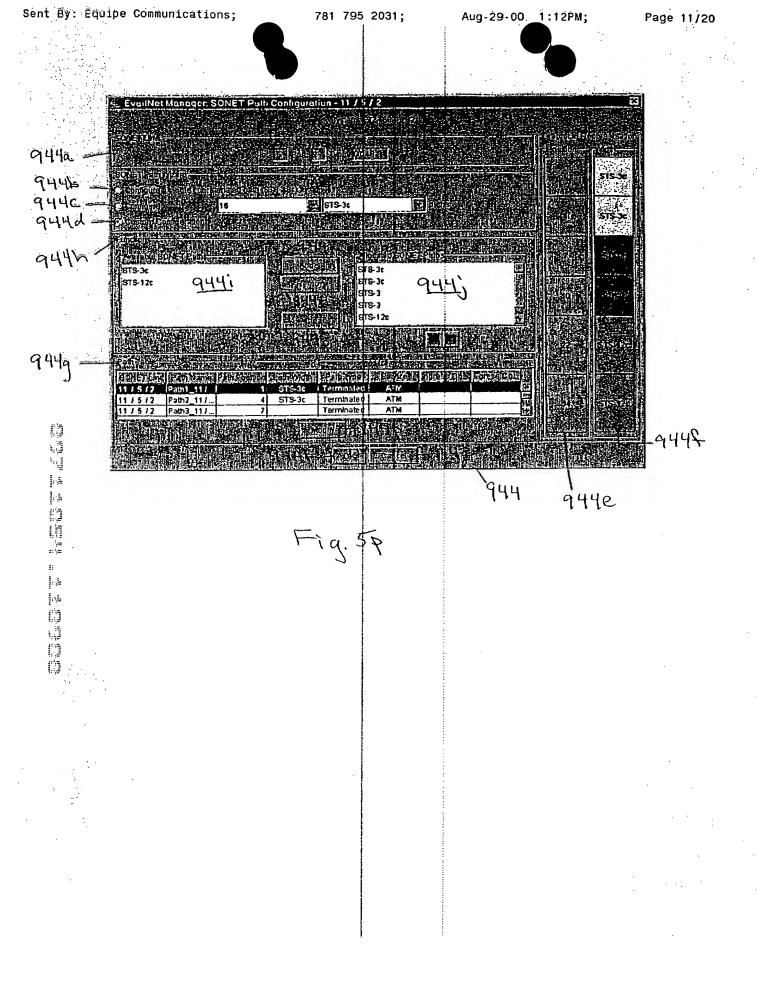


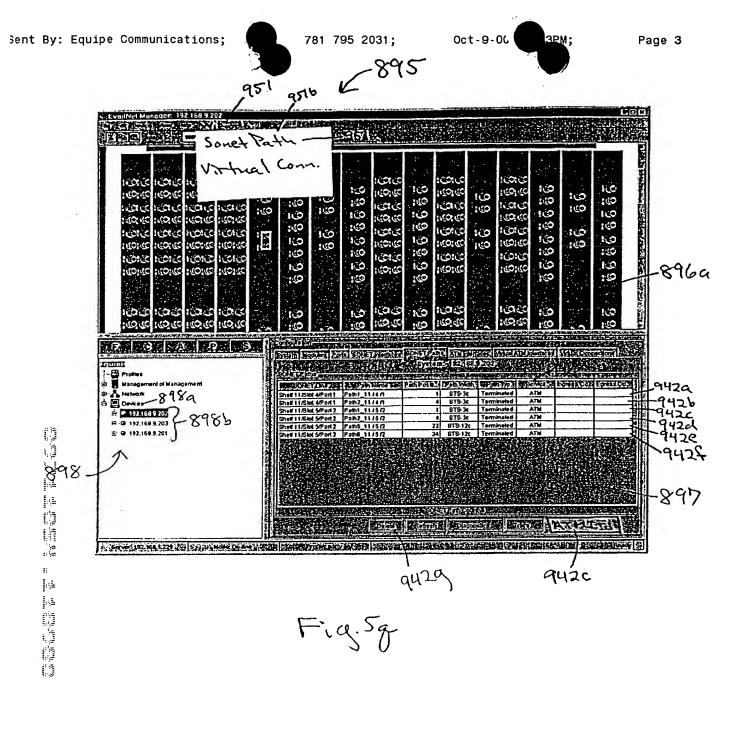


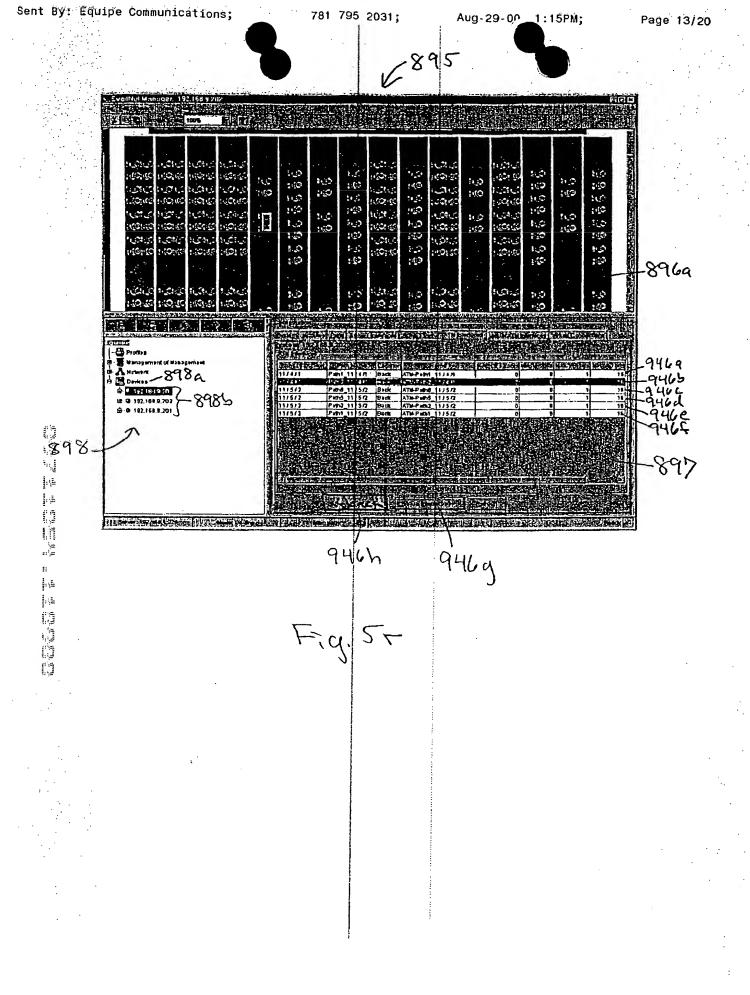


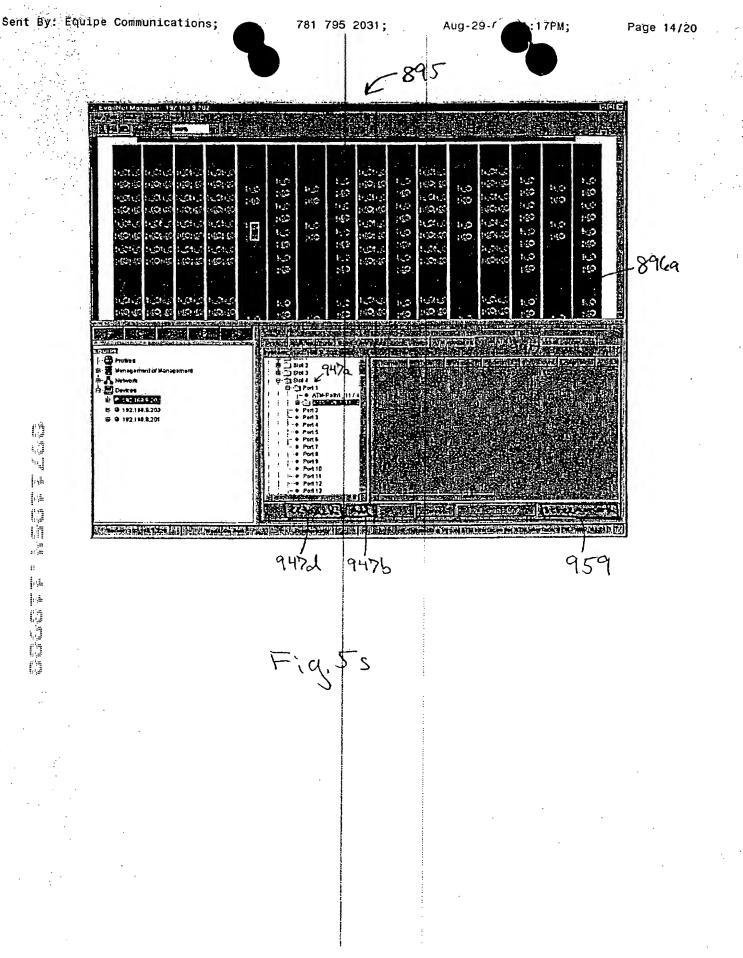


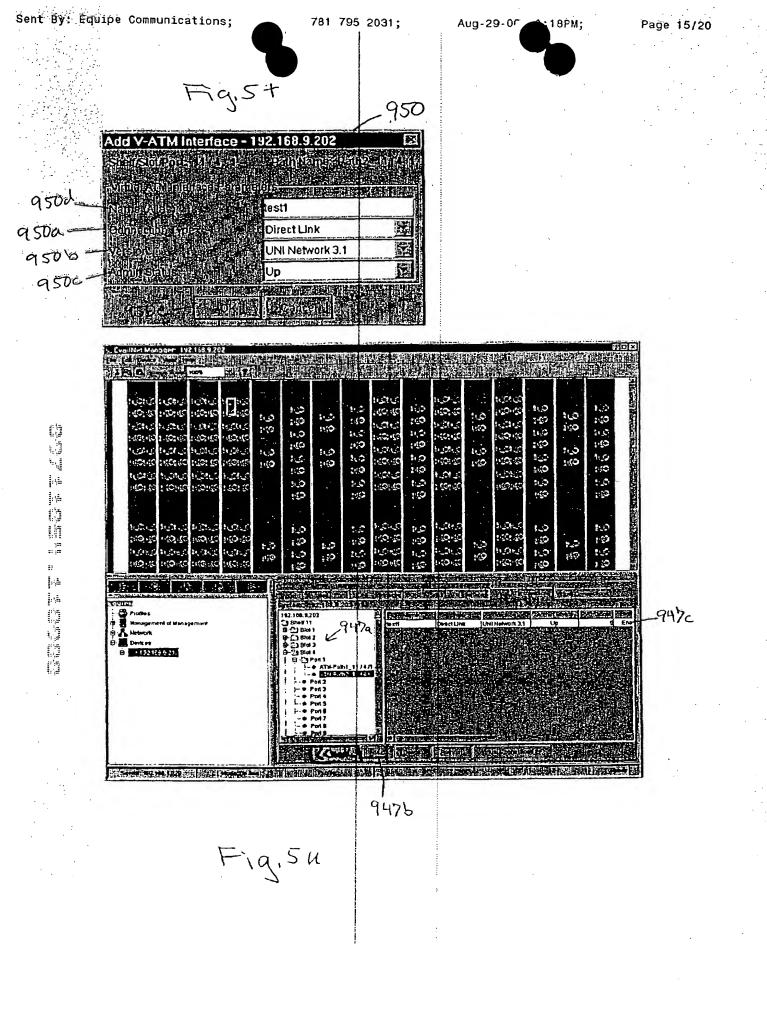


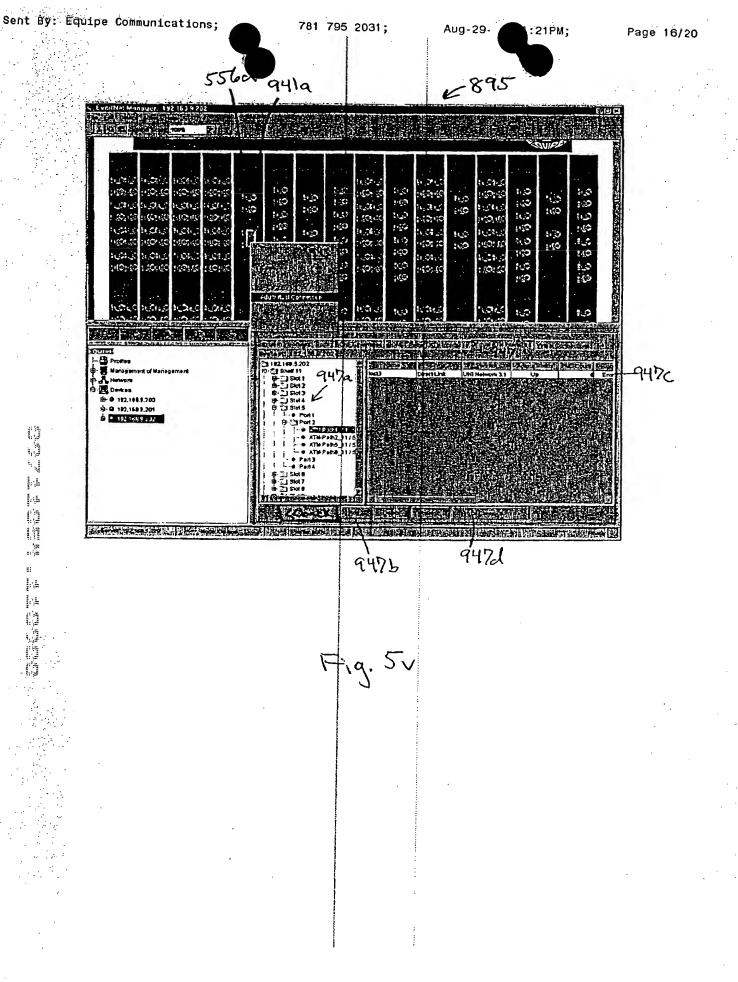


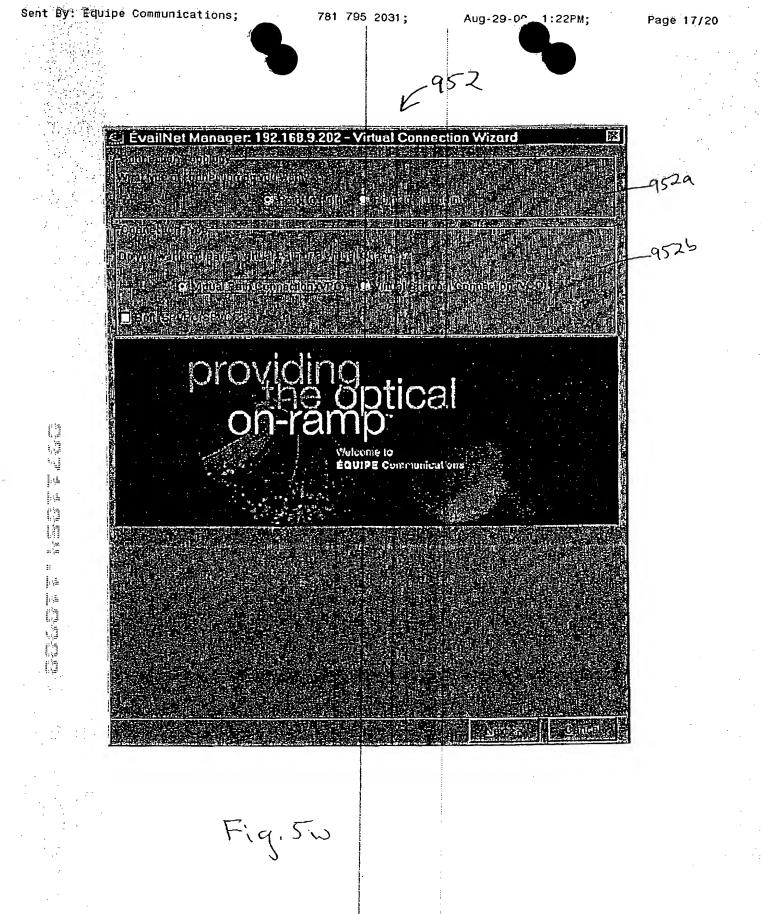


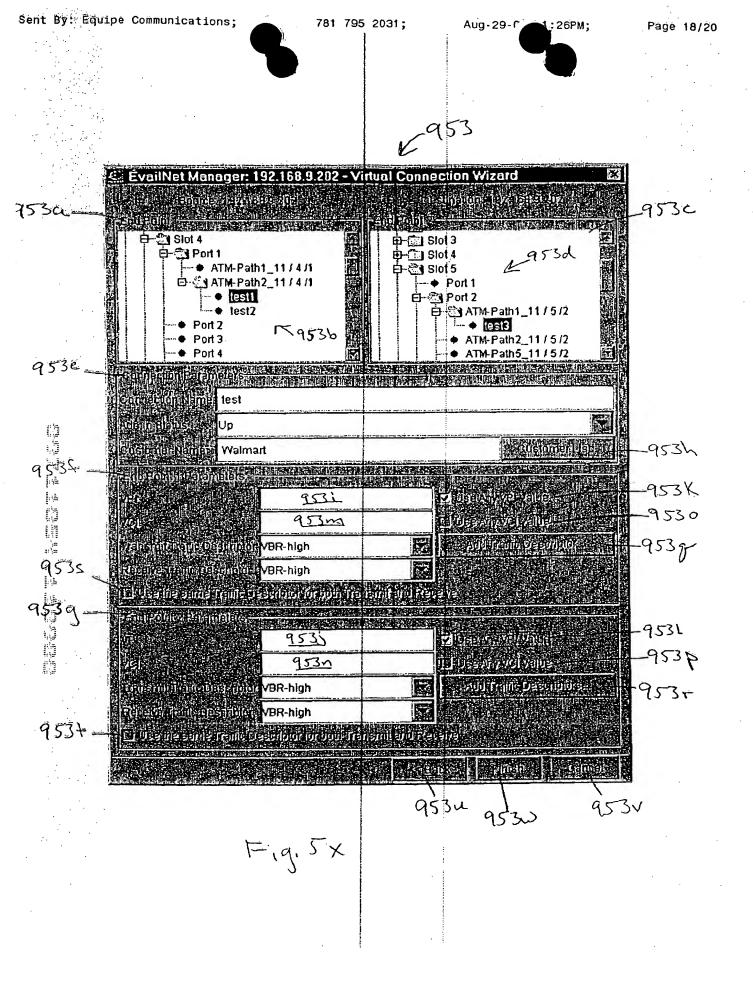


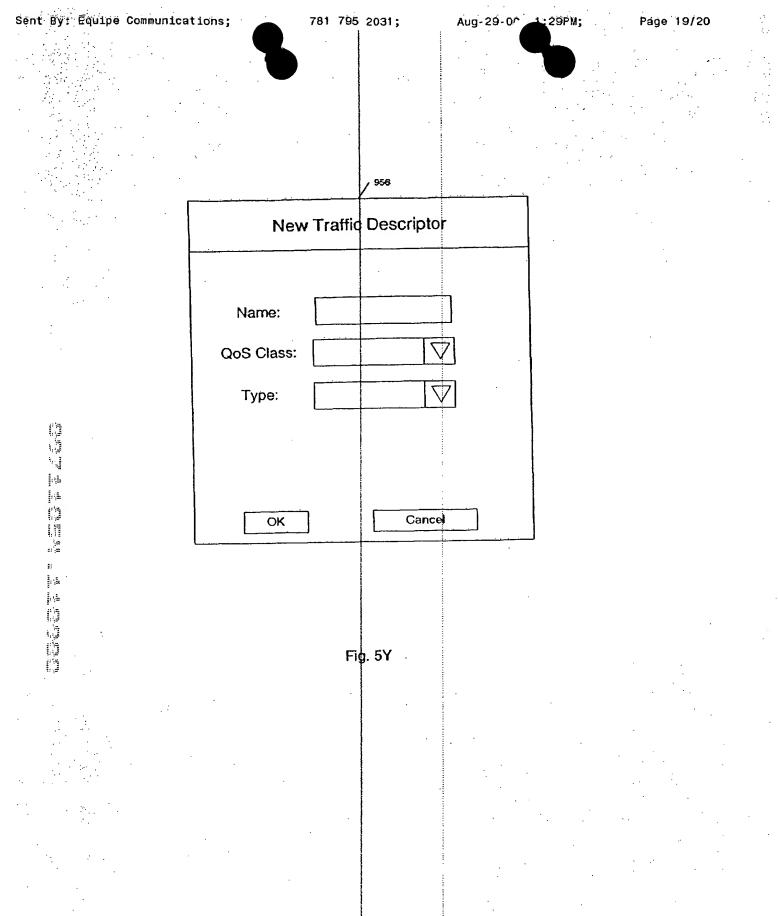


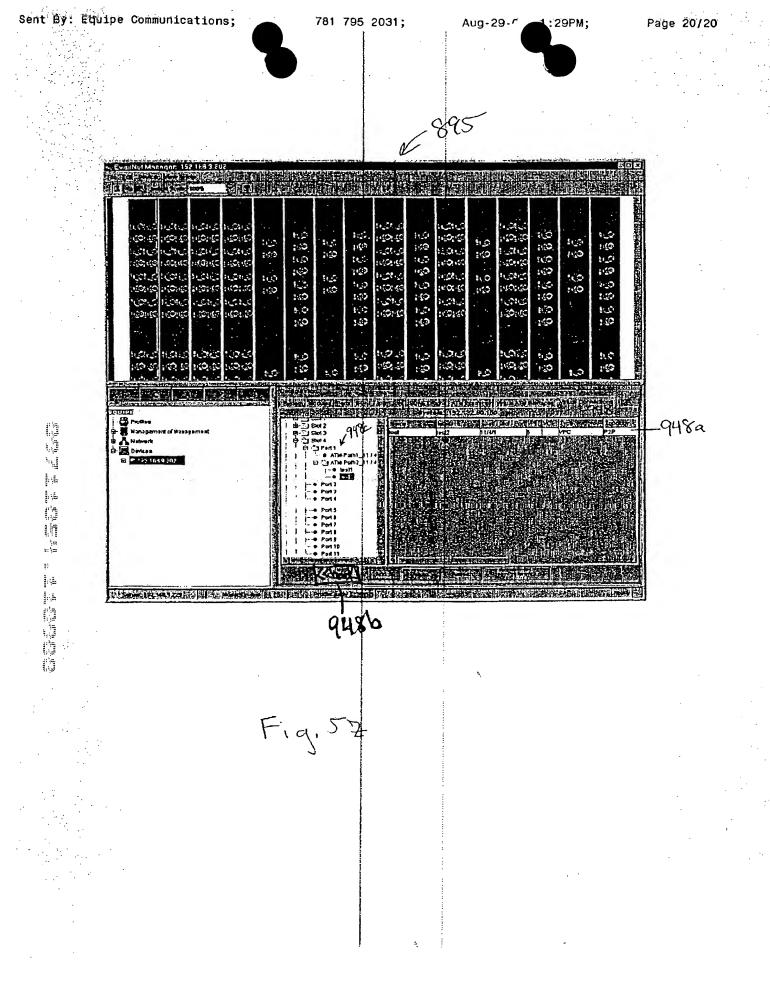












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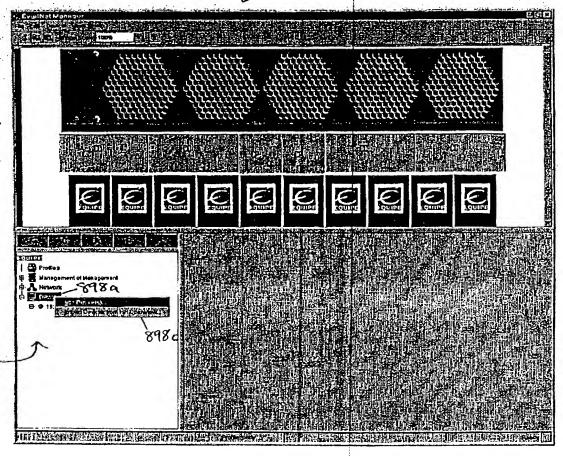
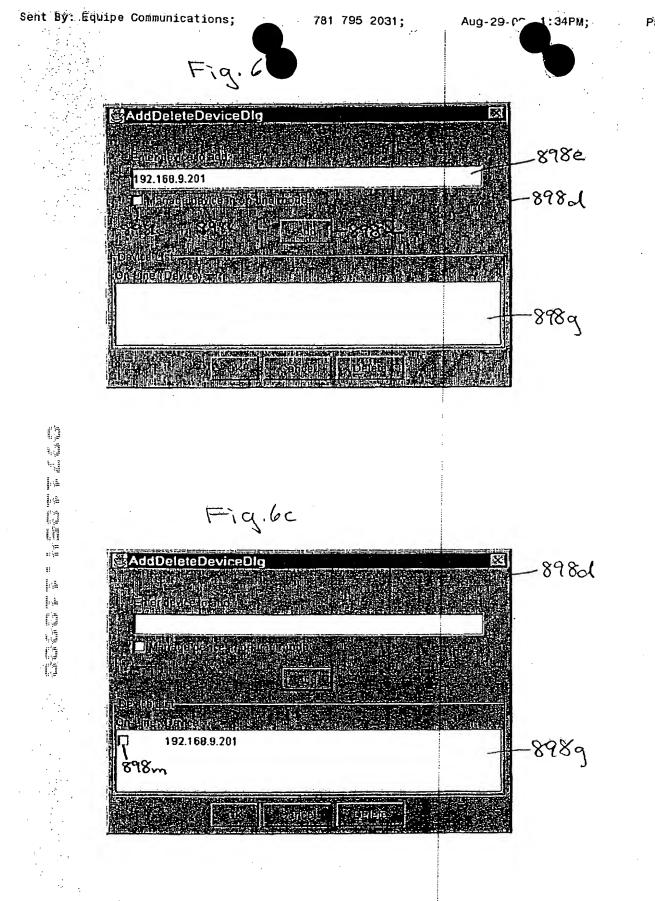


Fig. 6a





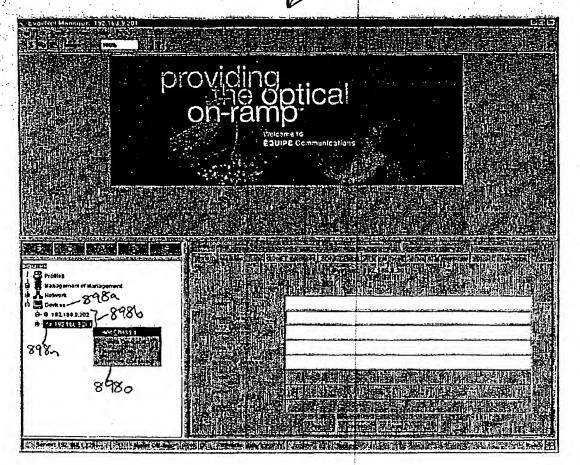
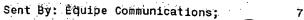


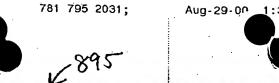
Fig.6d



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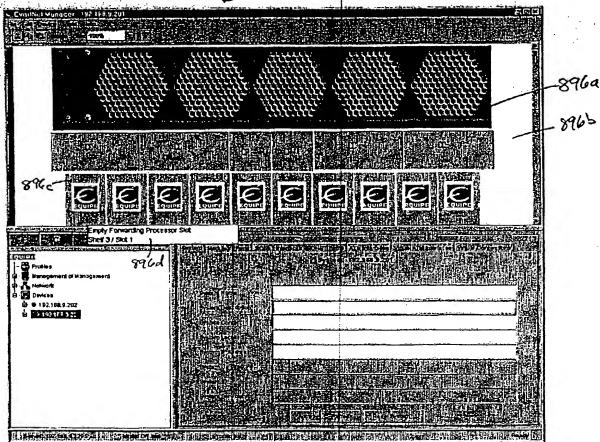


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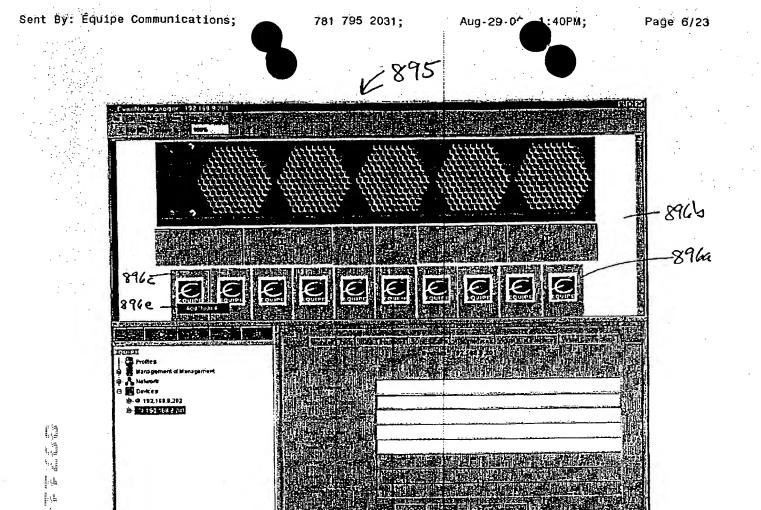


Fig.6f

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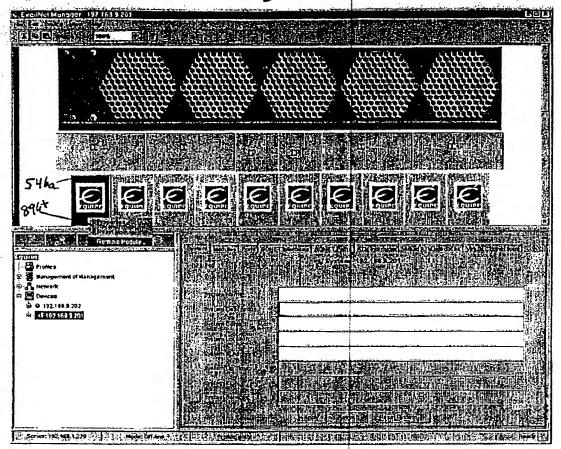
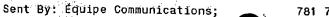
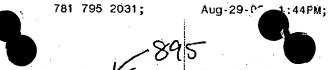


Fig. 69





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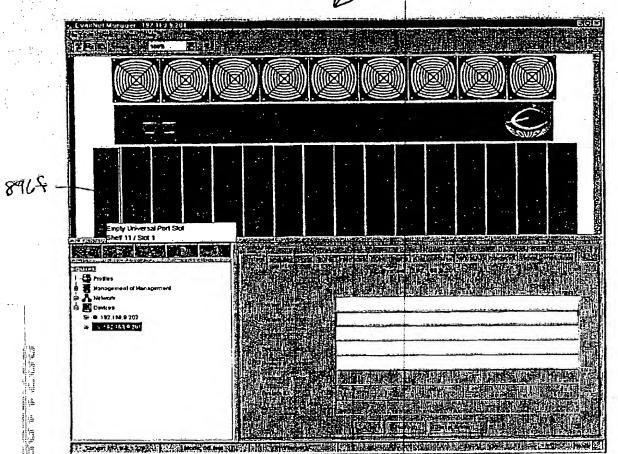
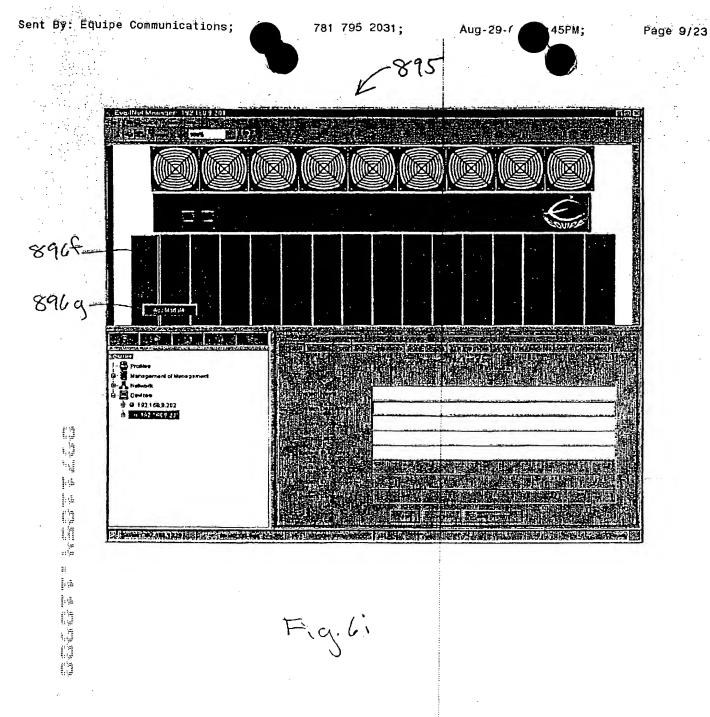
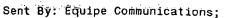


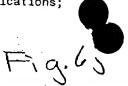
Fig.6h





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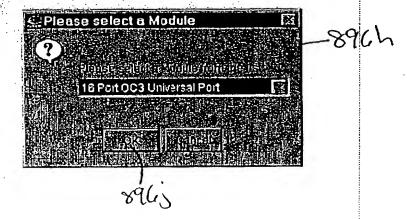


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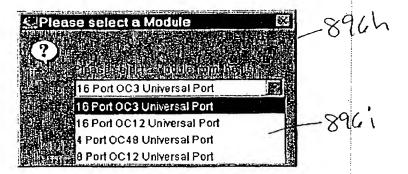
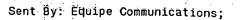


Fig. CK



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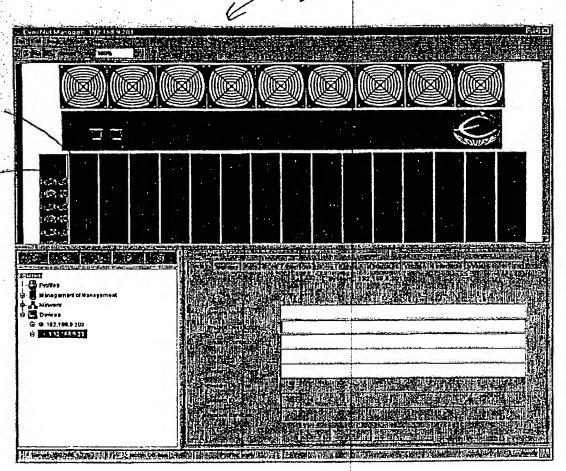


Fig. LL



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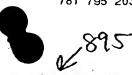
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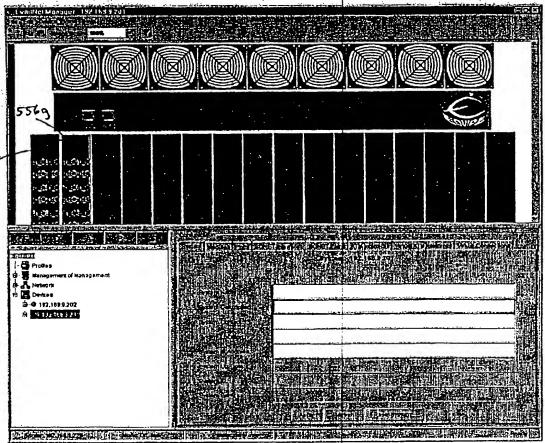


Fig.Cm

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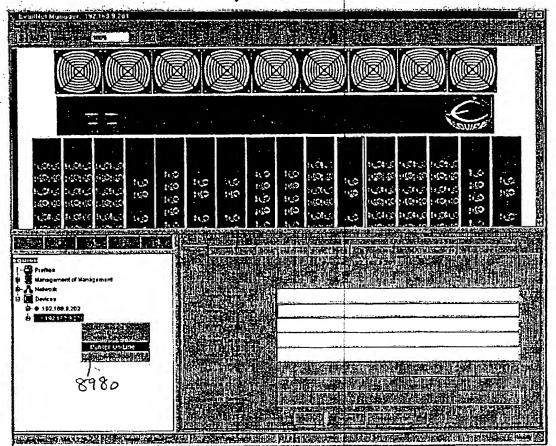
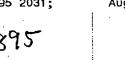


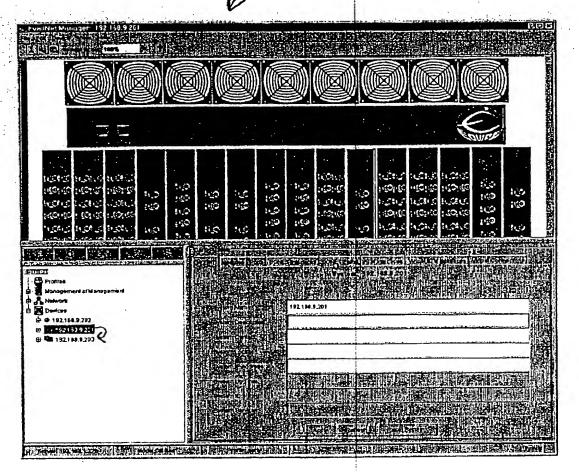
Fig. 6n

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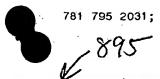
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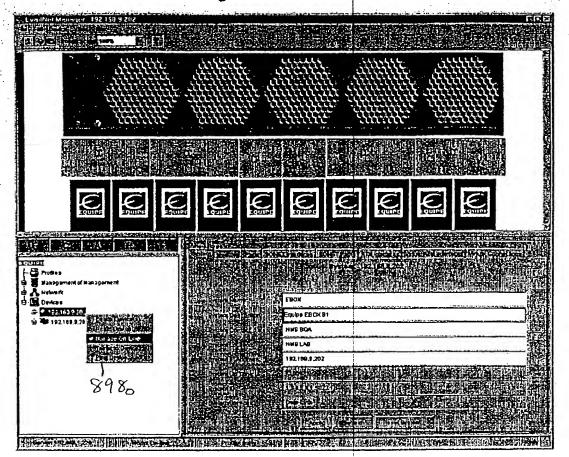
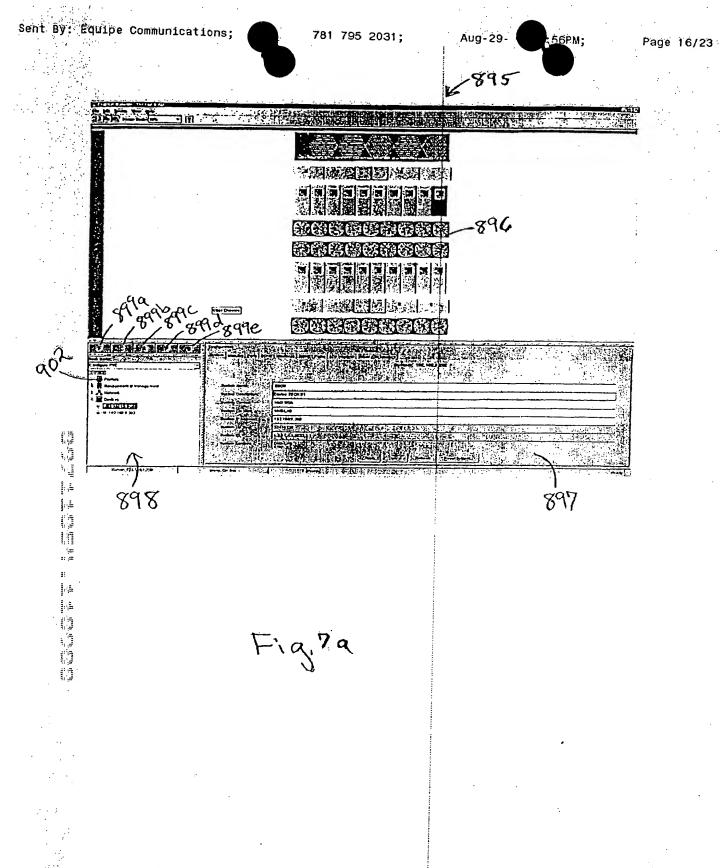


Fig. 6P

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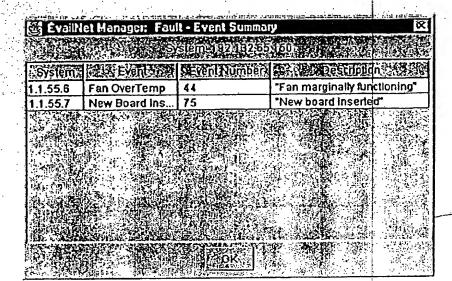


Fig.7b

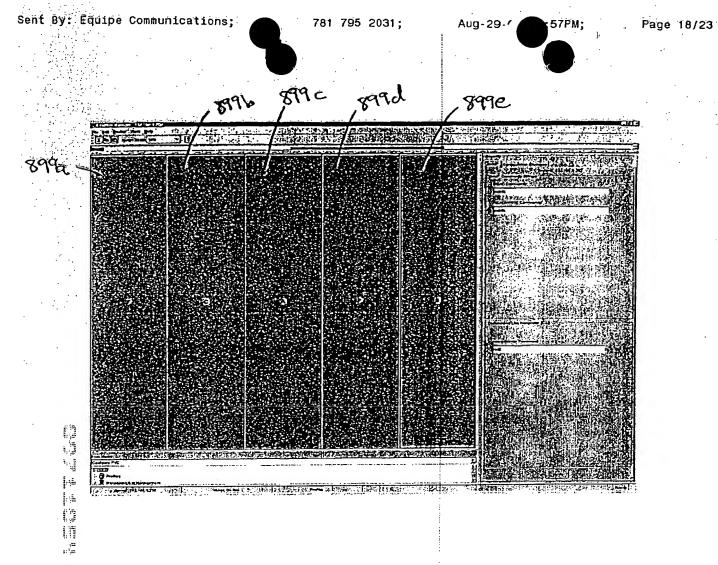
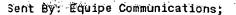


Fig.7c



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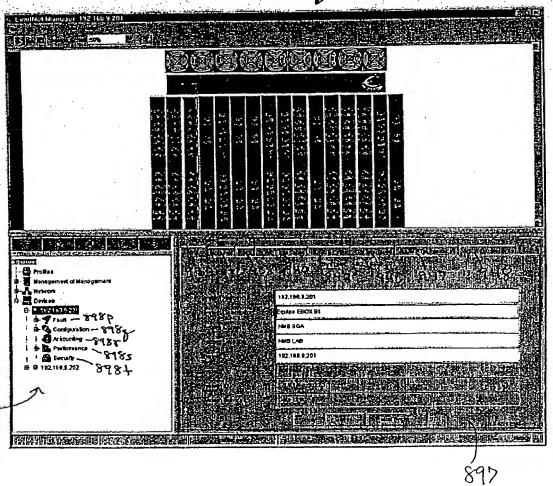


Fig.7d

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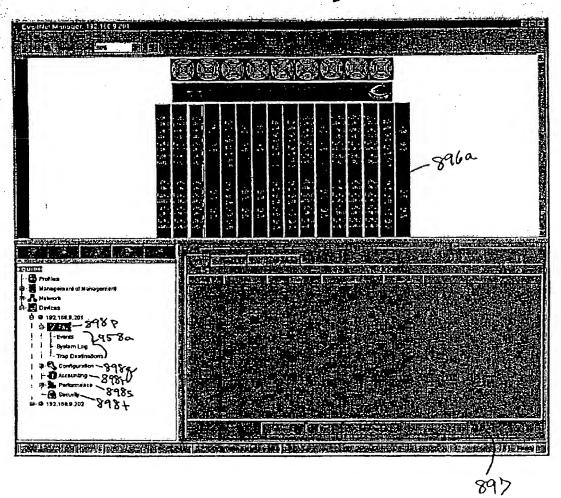


Fig. 7e

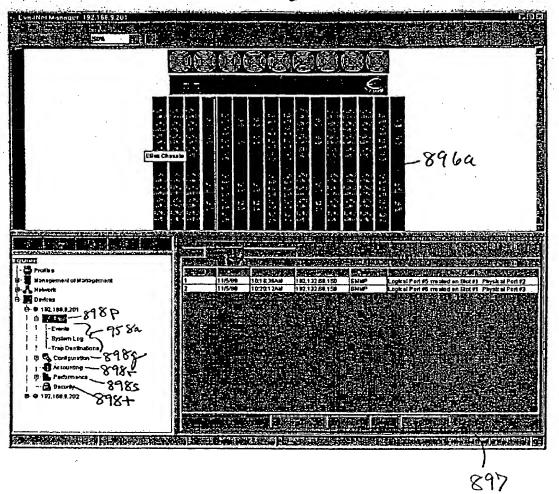
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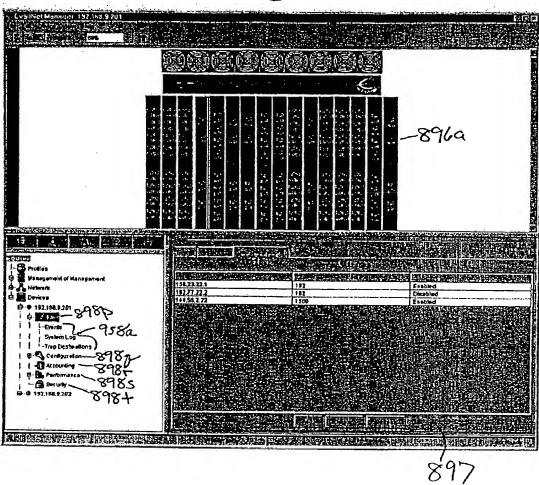


Fig. 79

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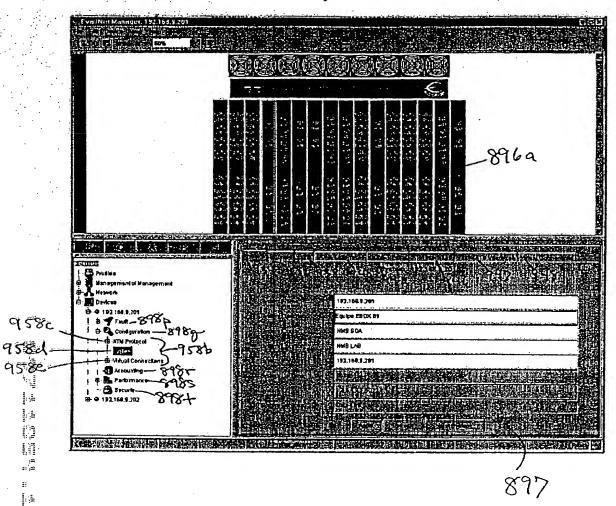
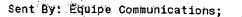
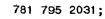
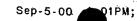


Fig. M



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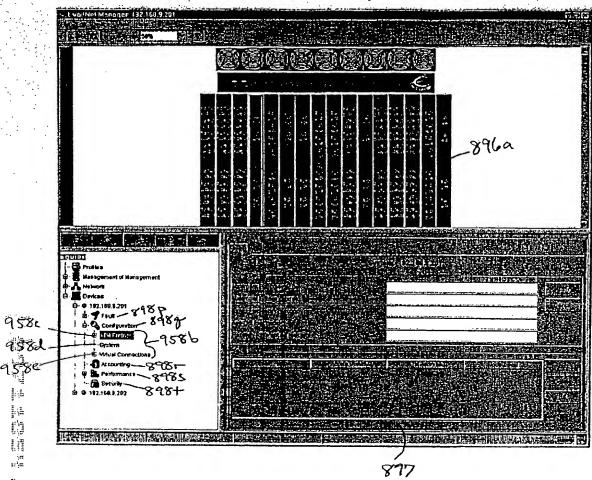


Fig. 7i

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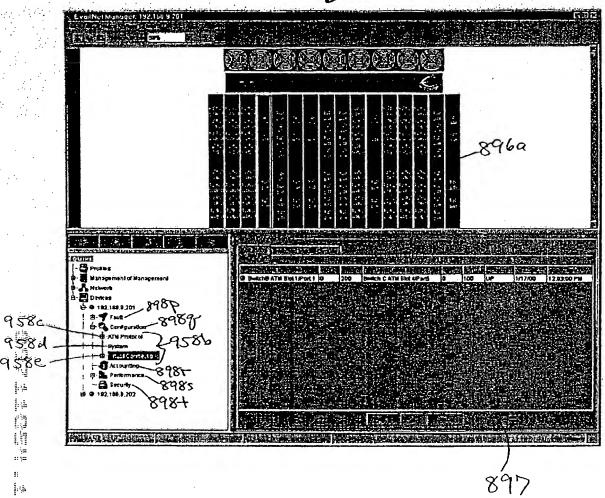


Fig. 7;

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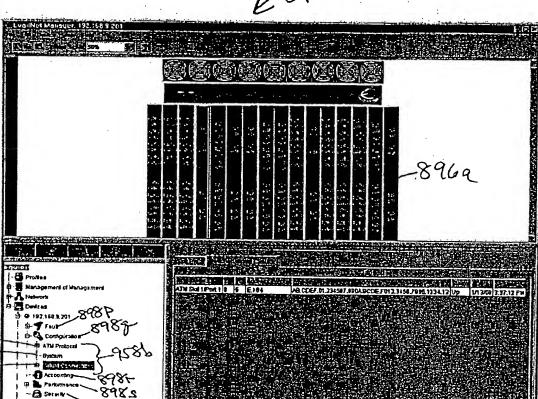


Fig. 7K

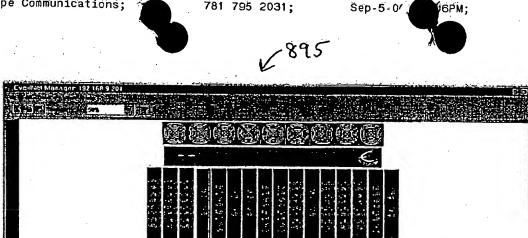
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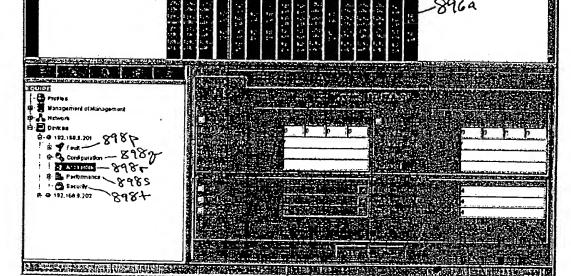


Fig. 71

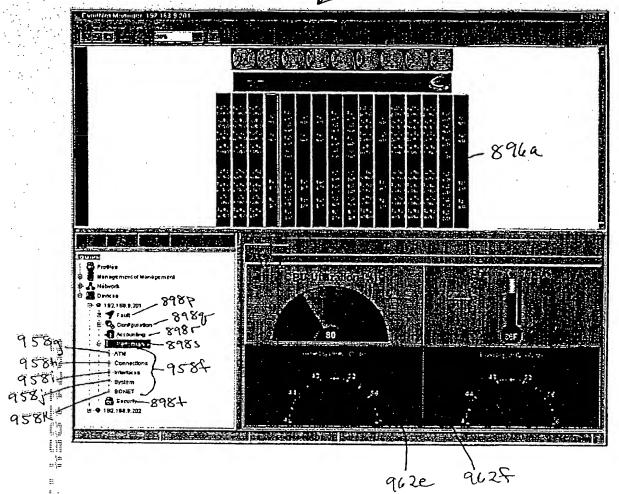
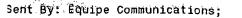
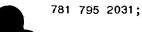


Fig.7m

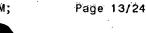


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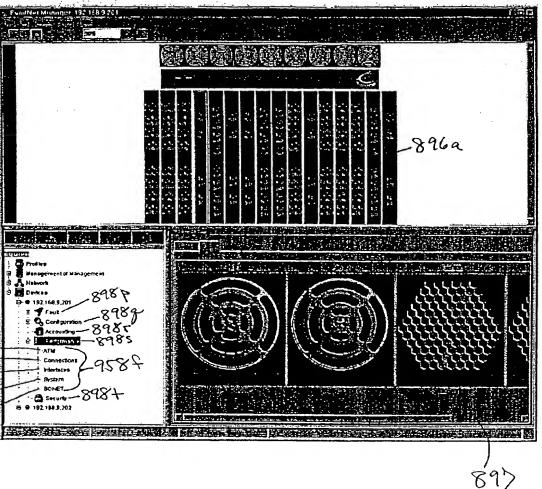


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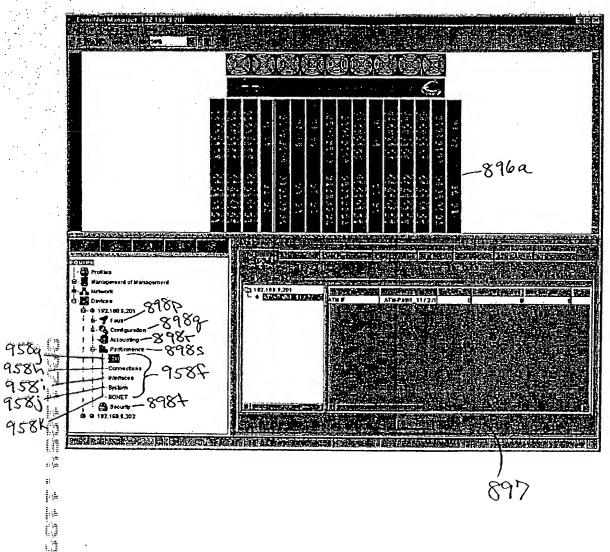
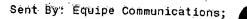


Fig. 70



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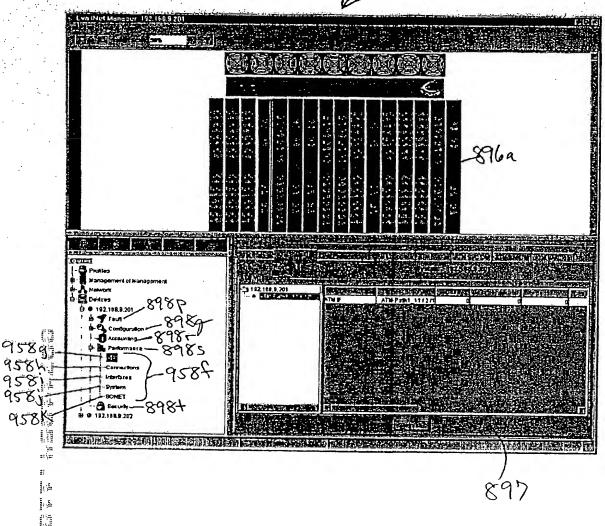


Fig. 78

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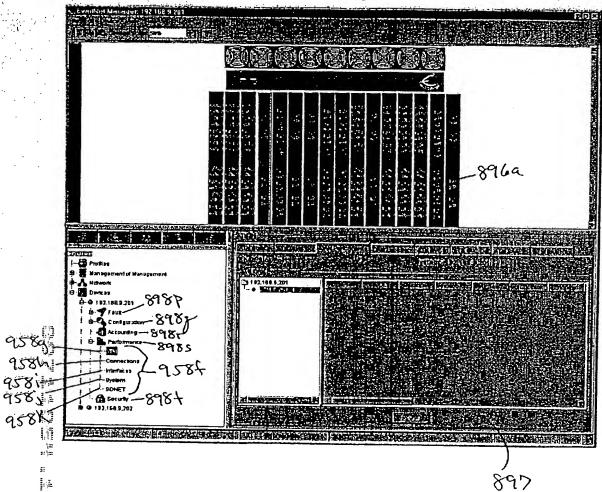
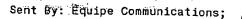


Fig. 7g



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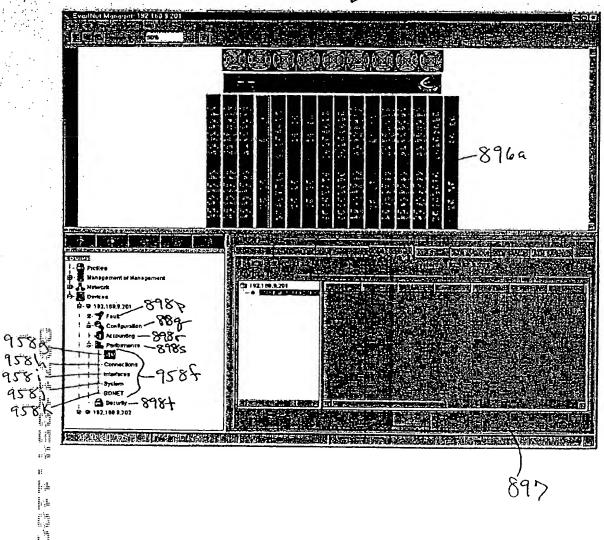


Fig. 7-

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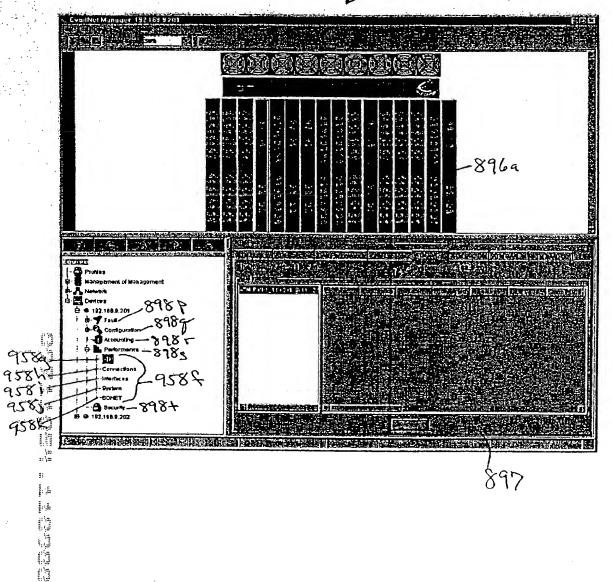


Fig. 7s

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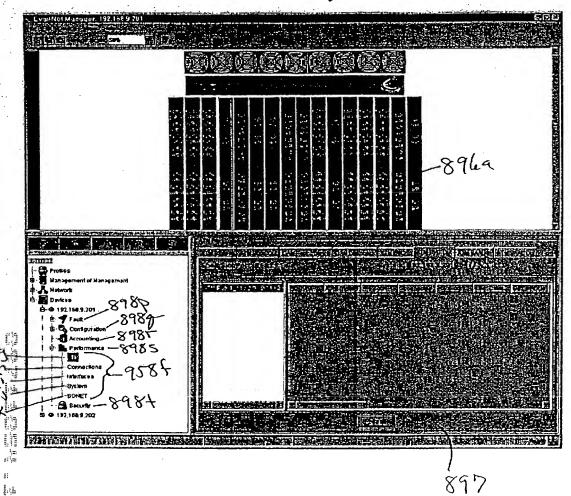


Fig. 7+

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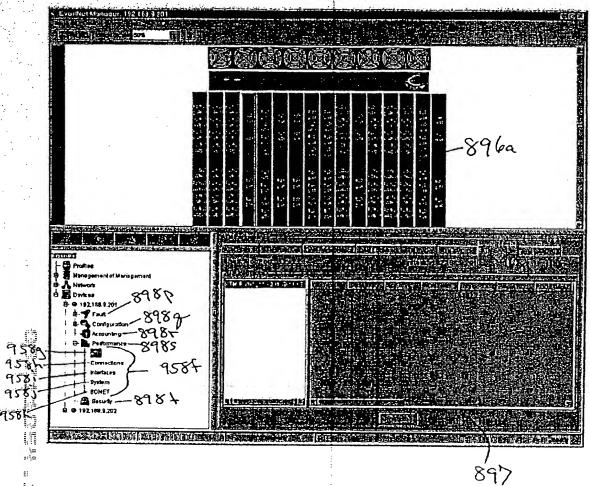


Fig. 7u

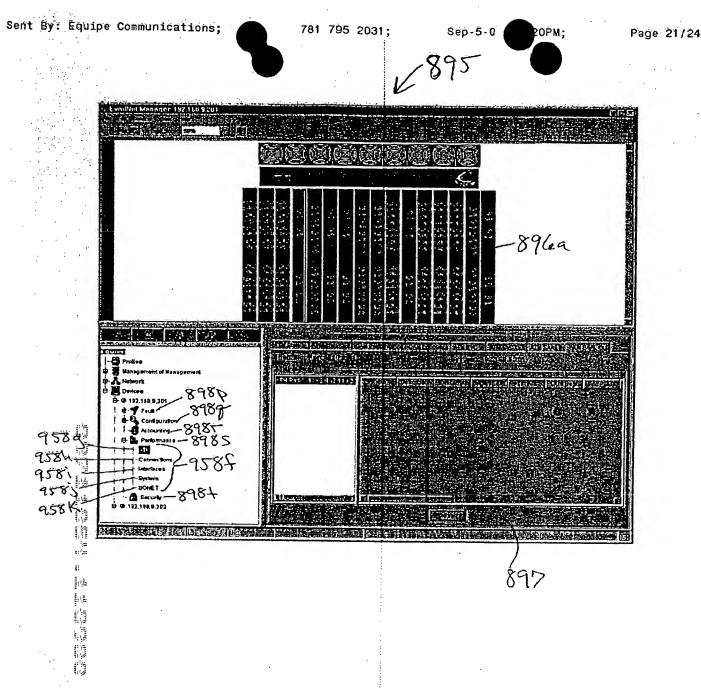
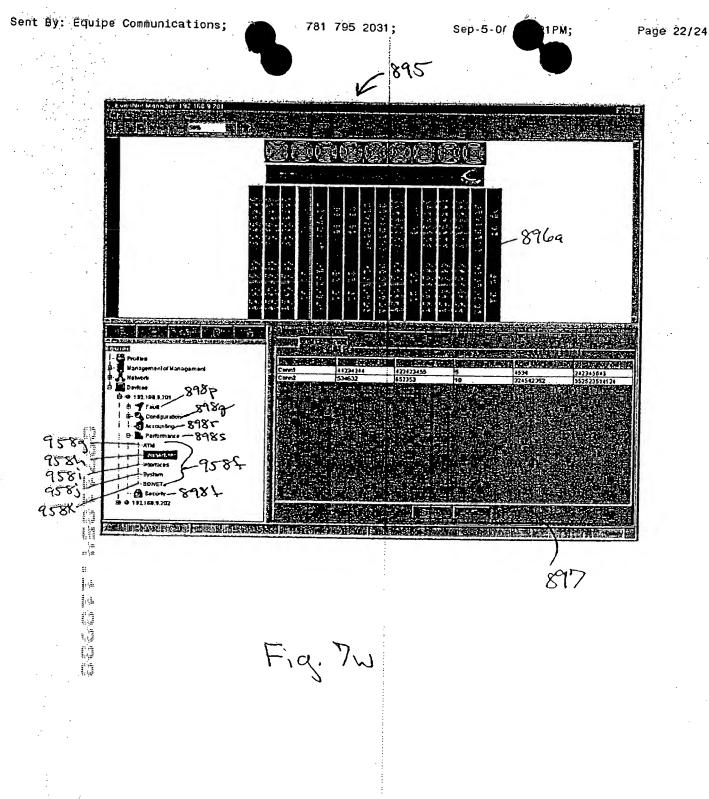
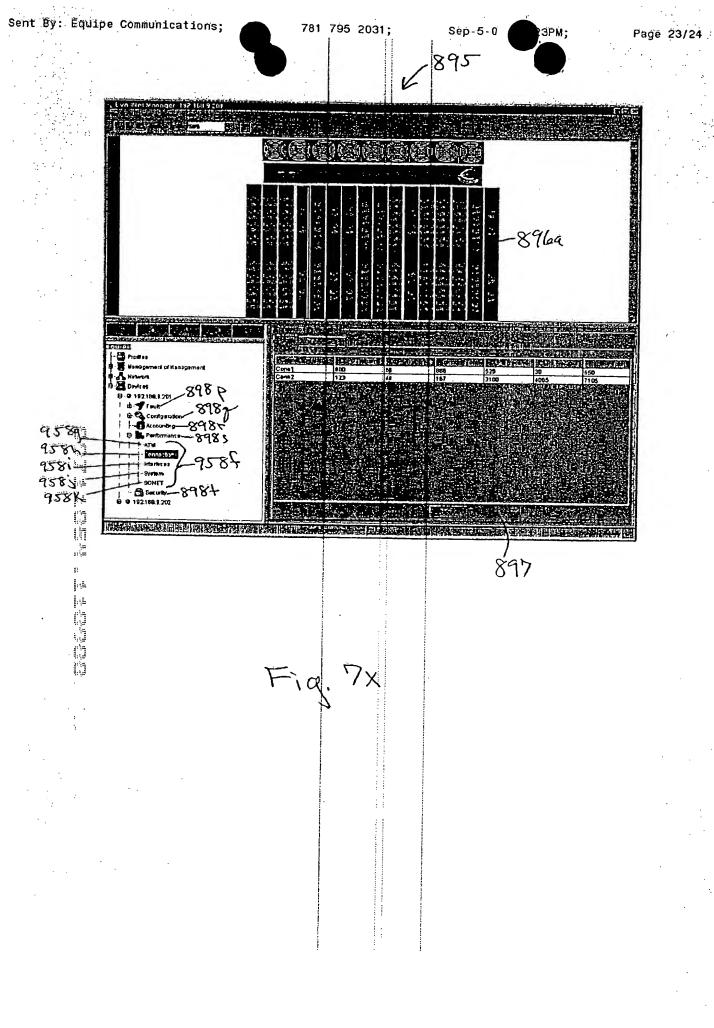
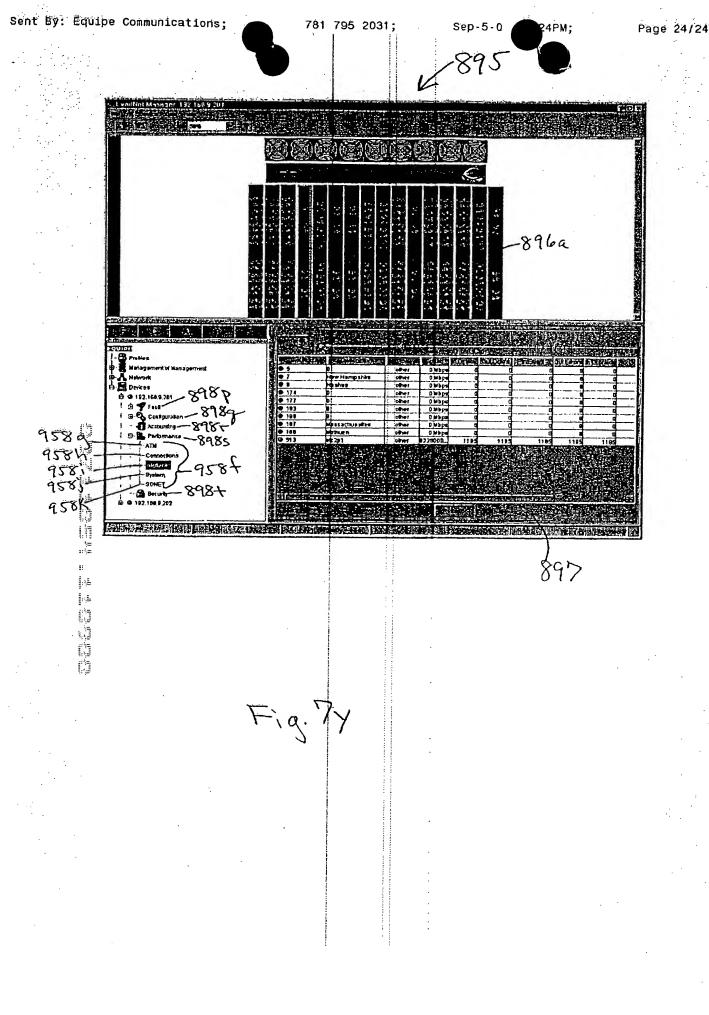


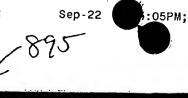
Fig. 7v







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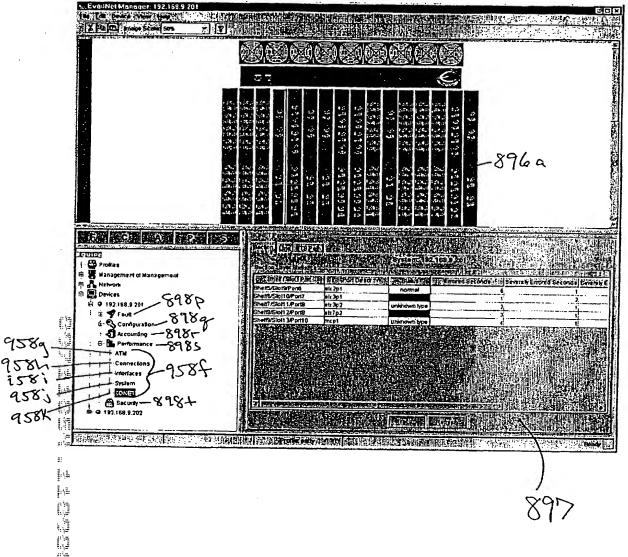


Fig. 8a

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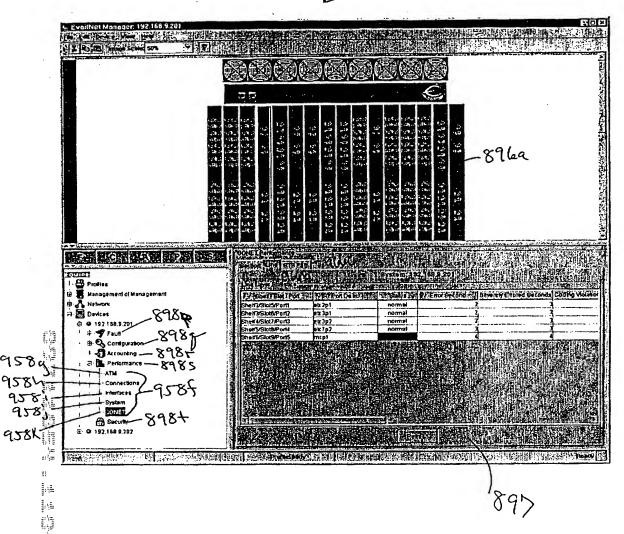


Fig. 86

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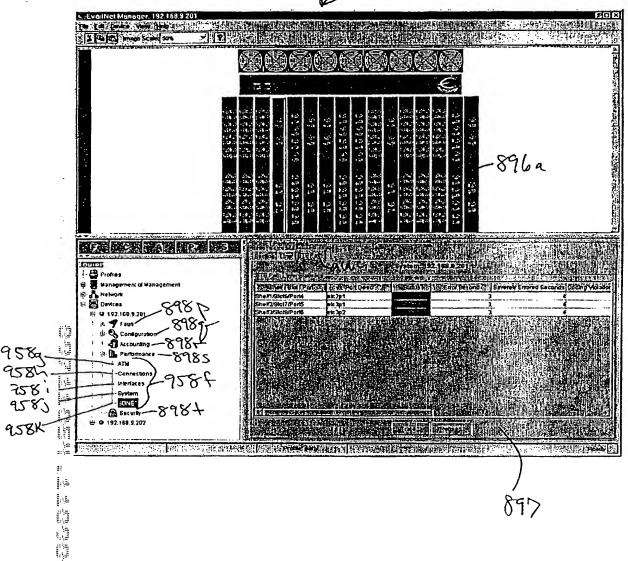
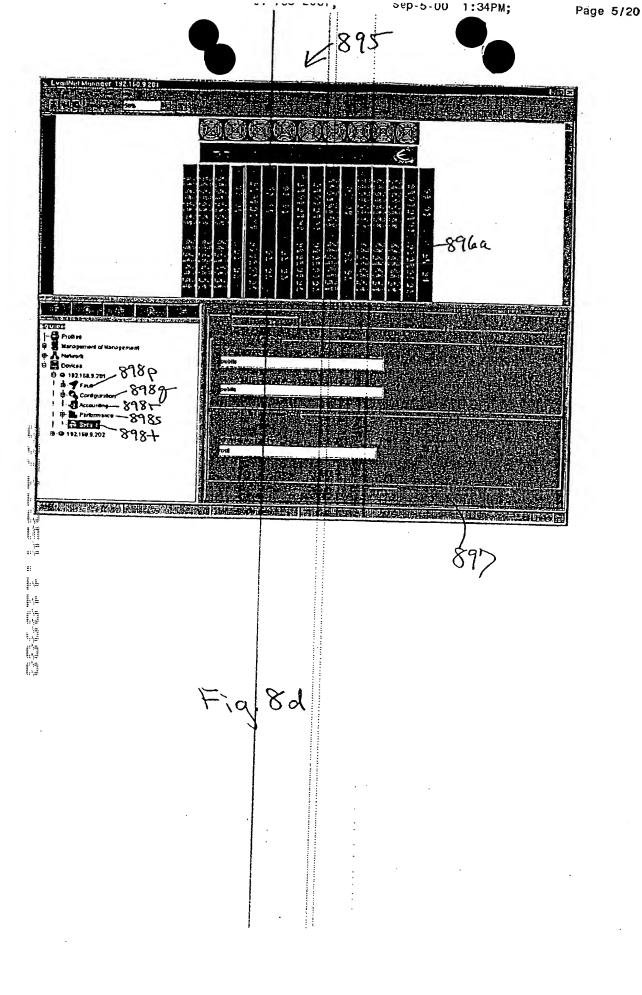
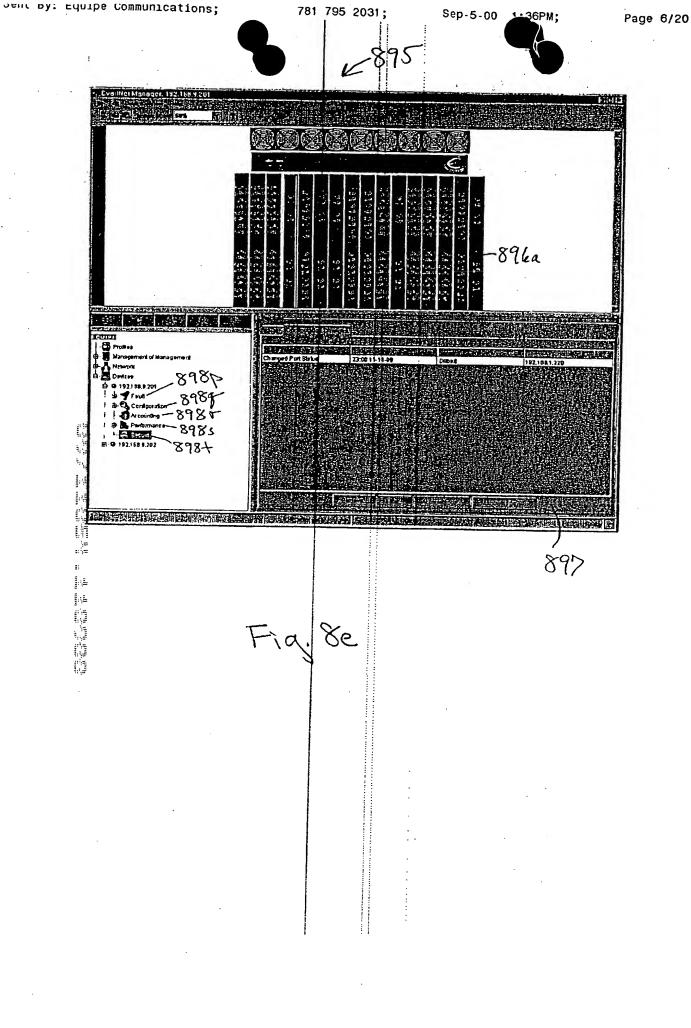
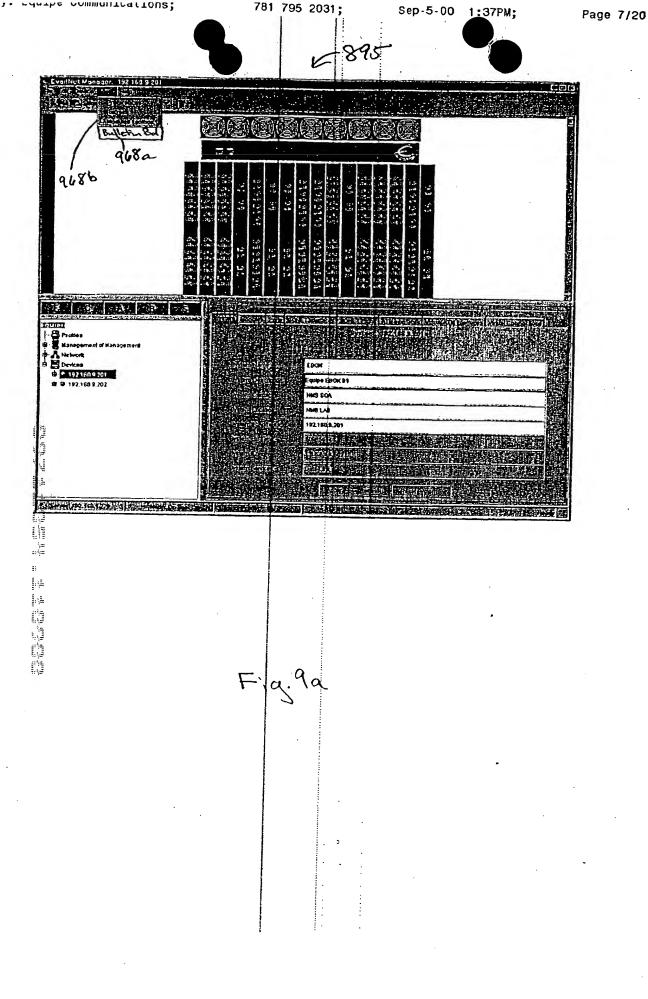
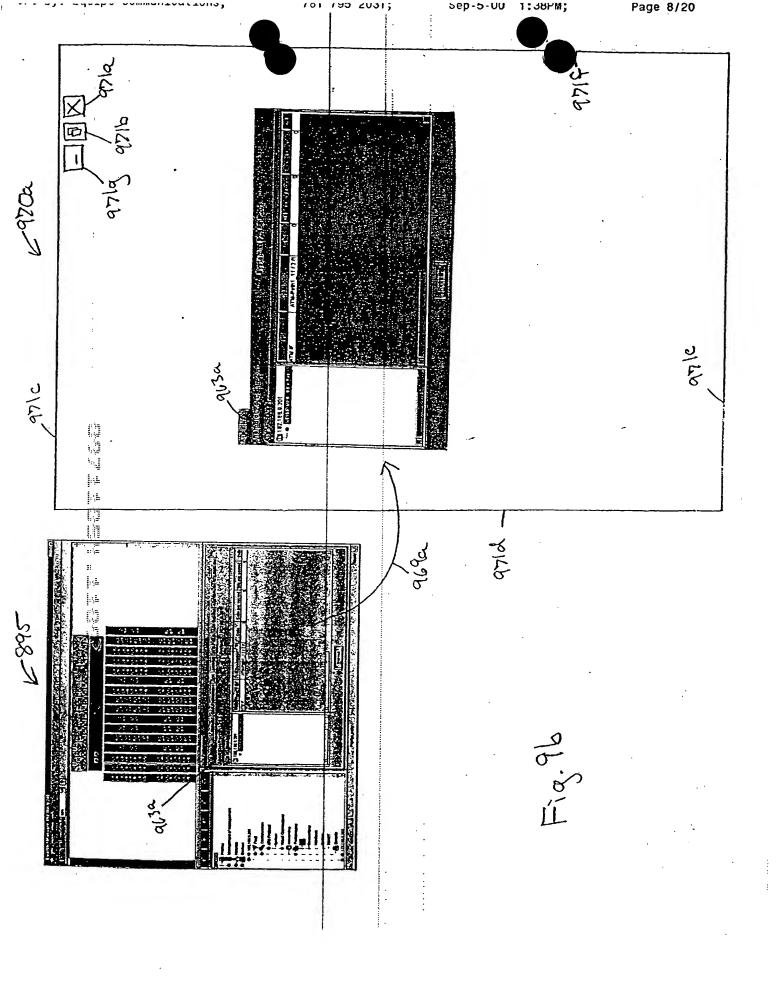


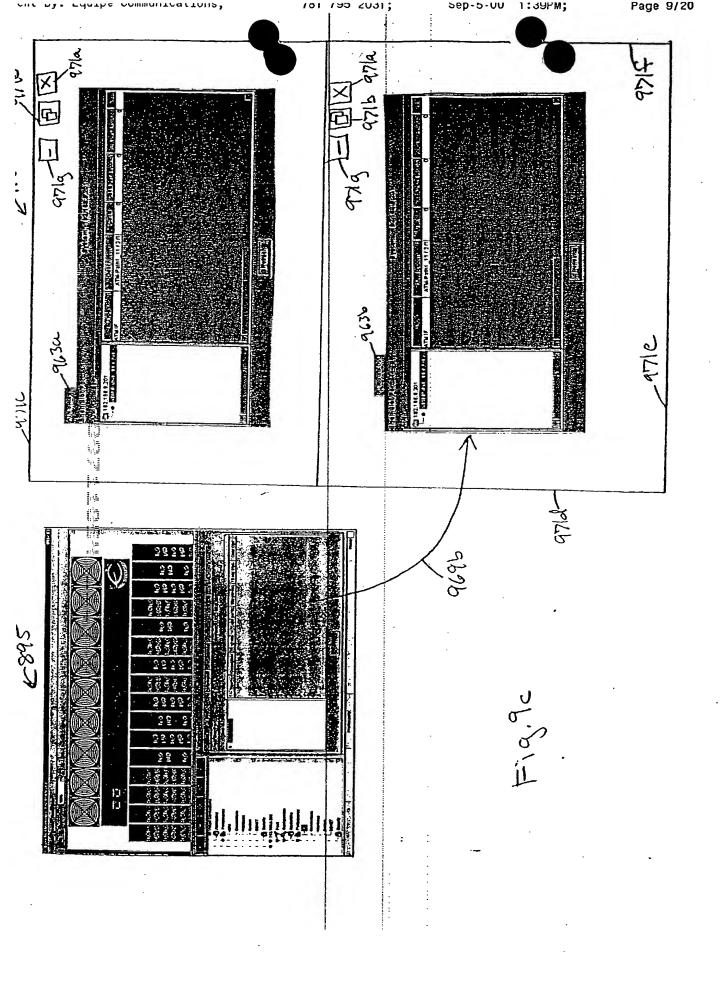
Fig. 8c

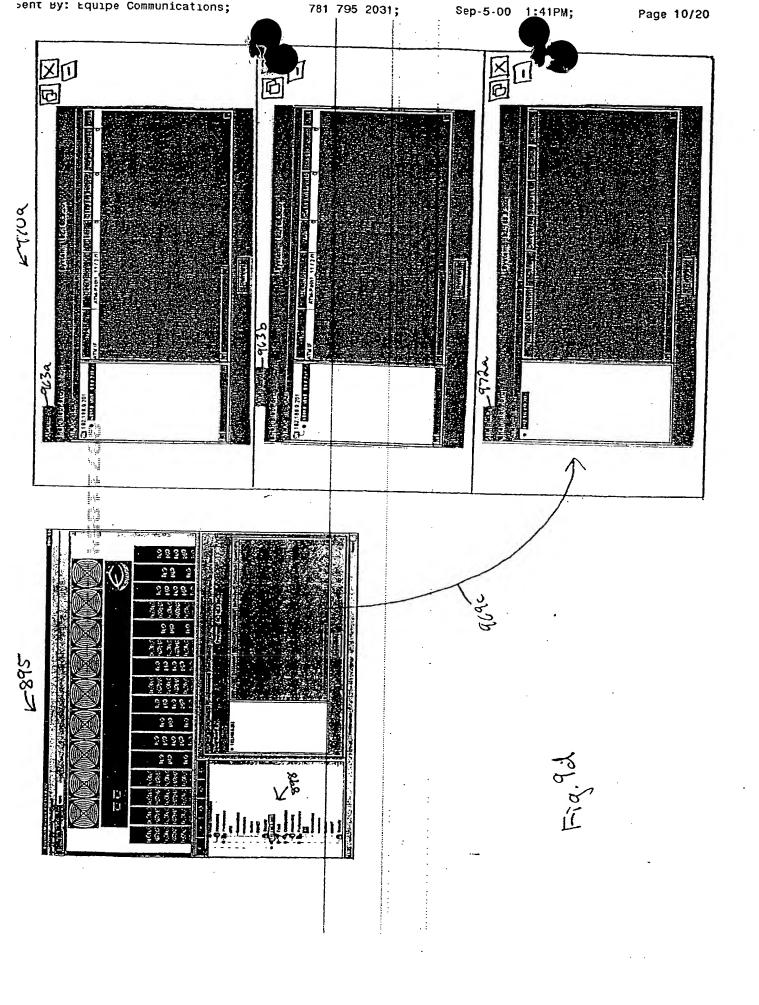


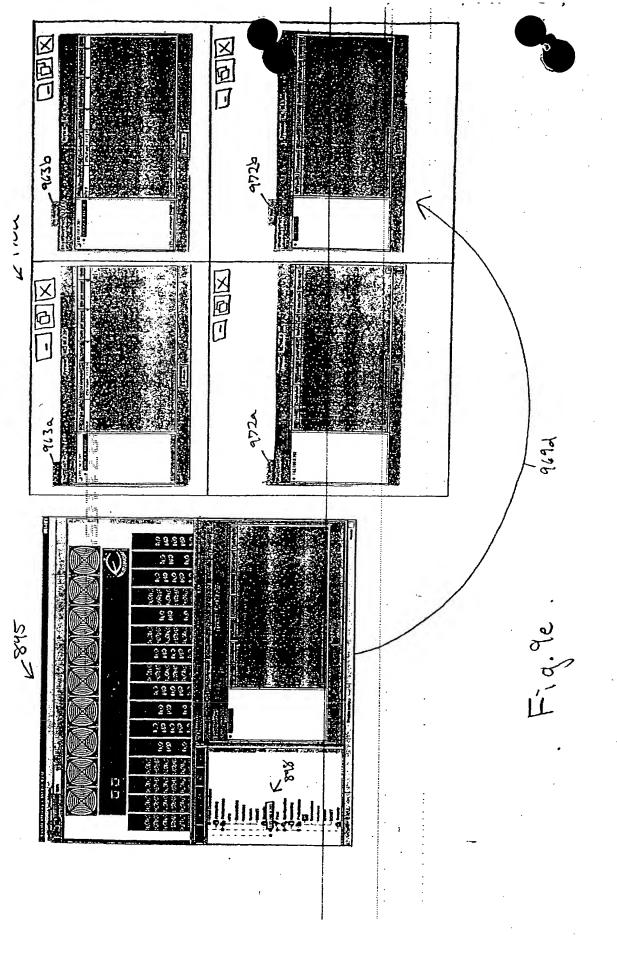


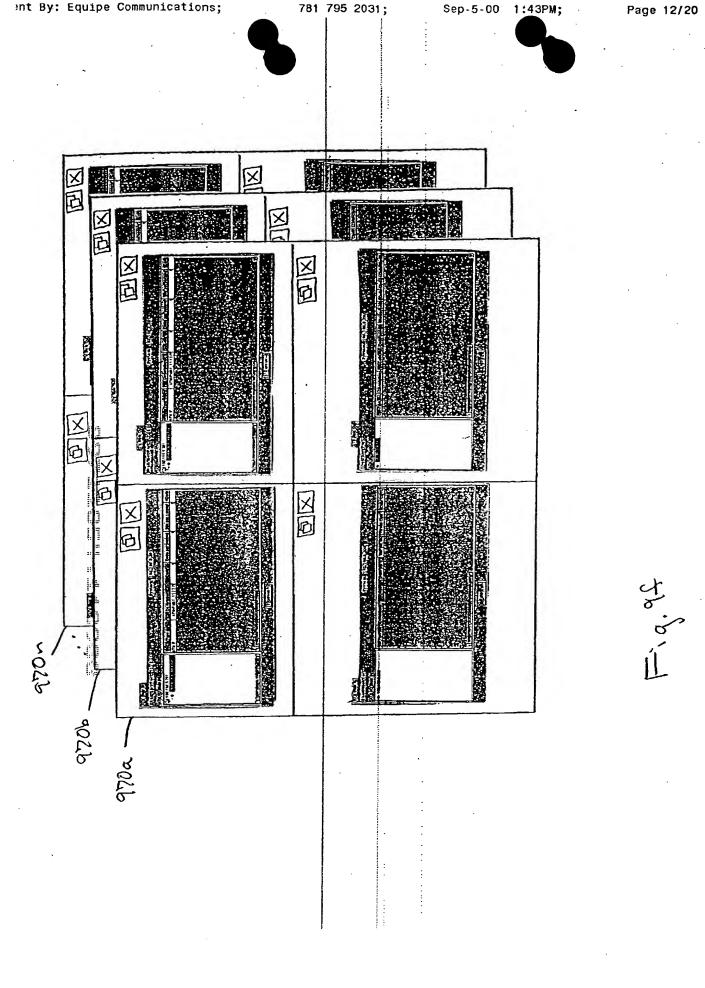


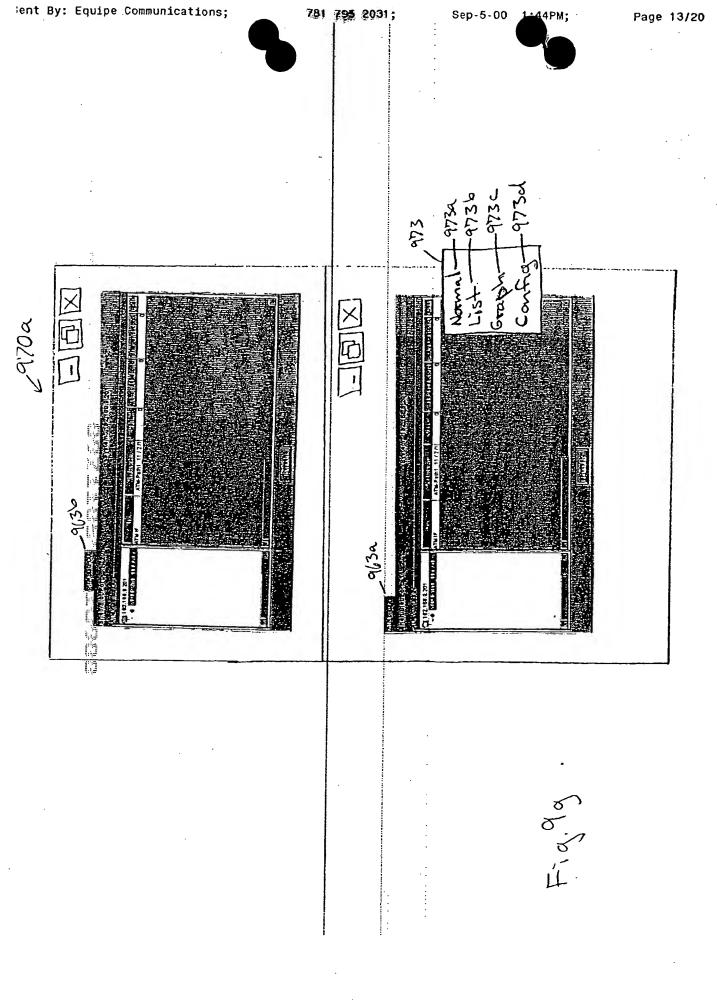


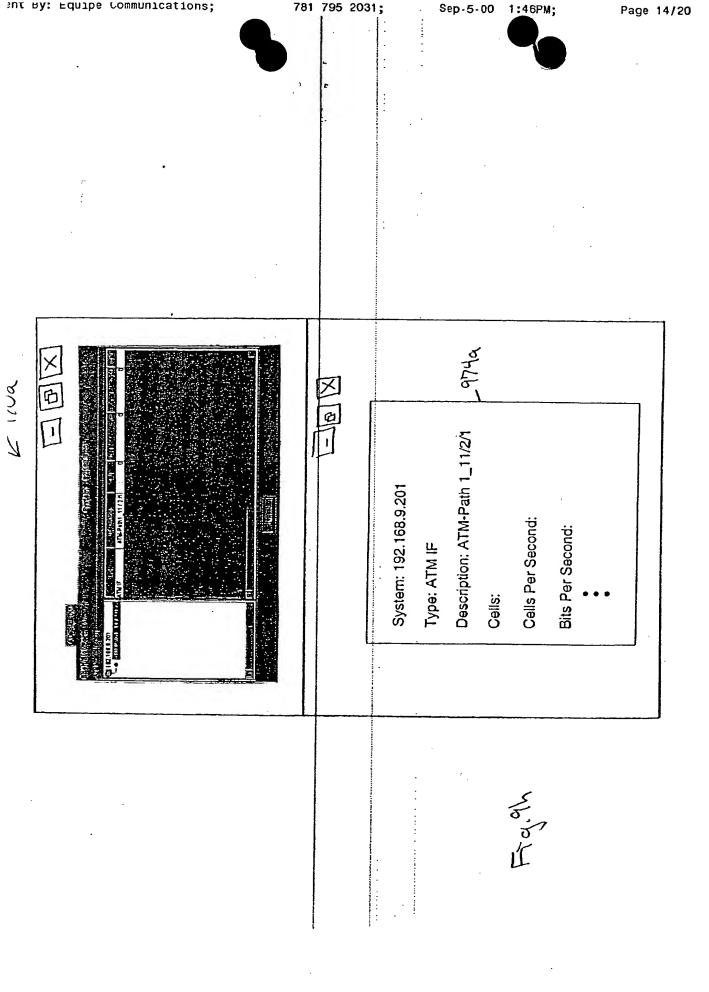


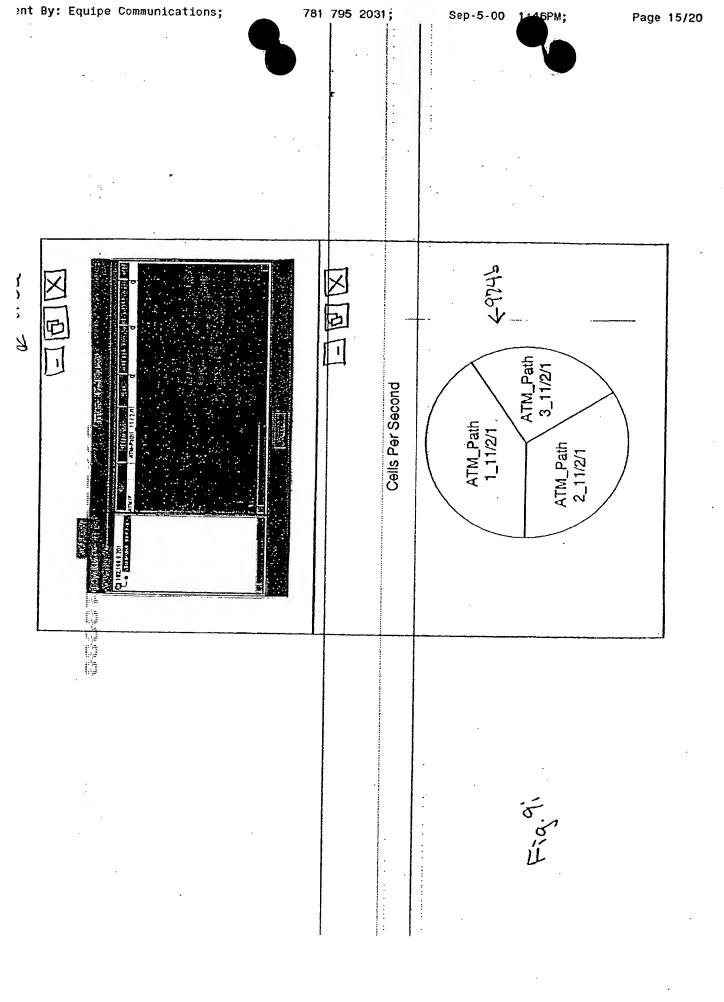


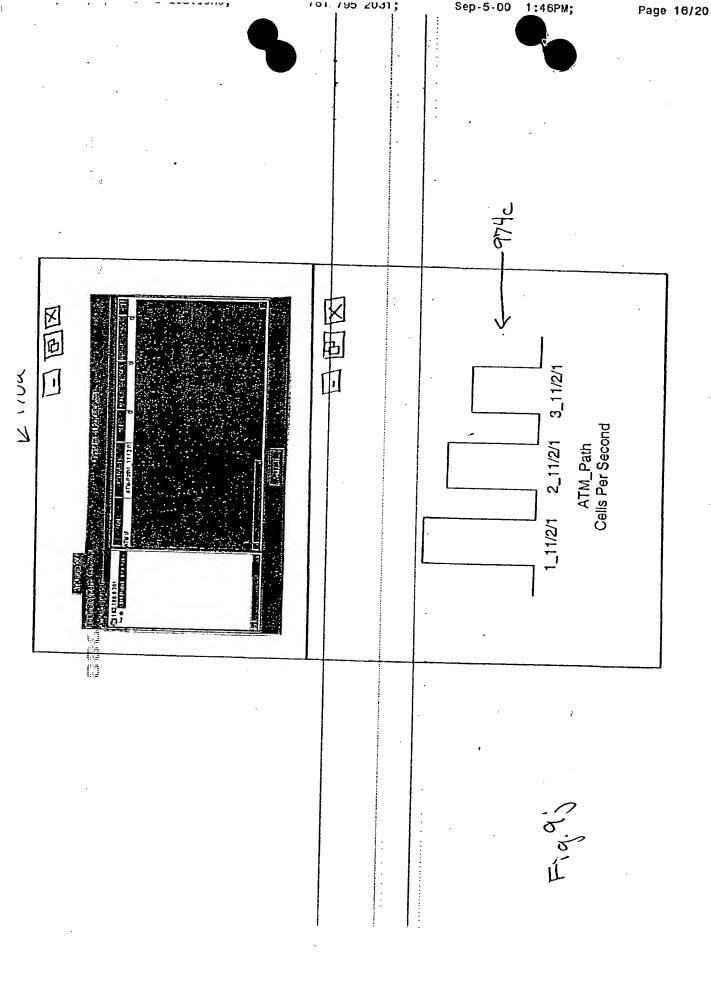


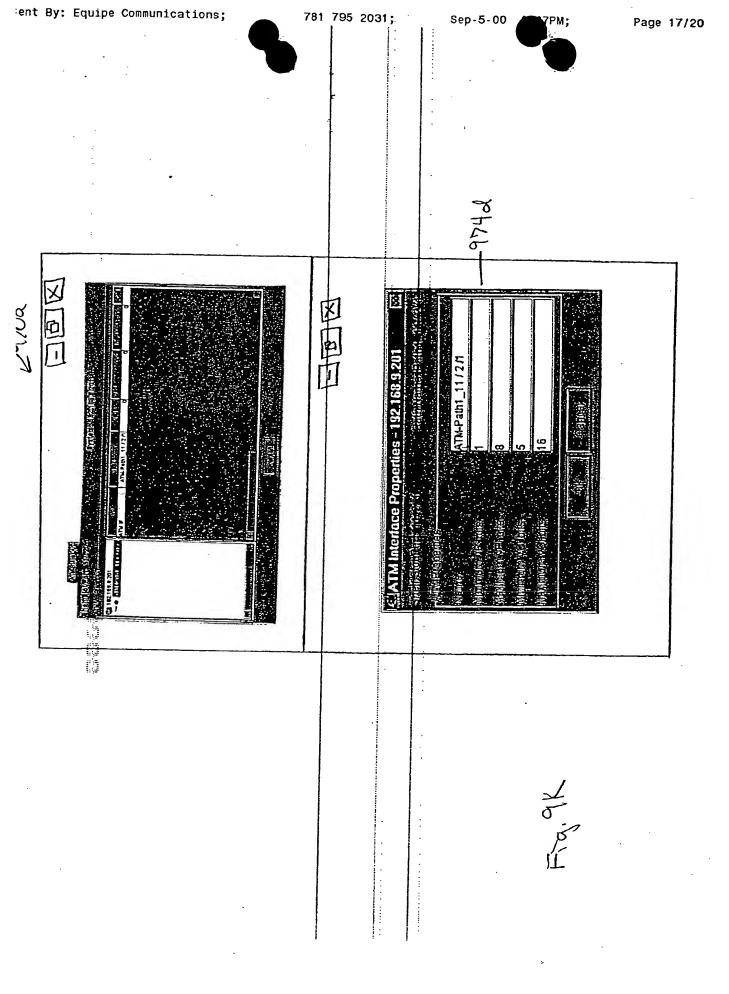


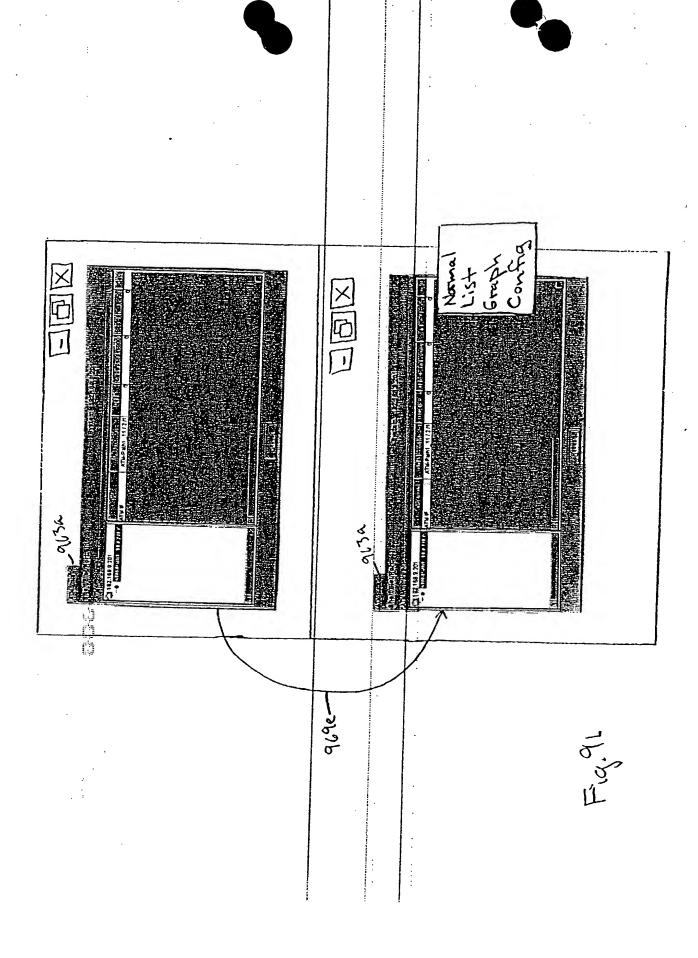


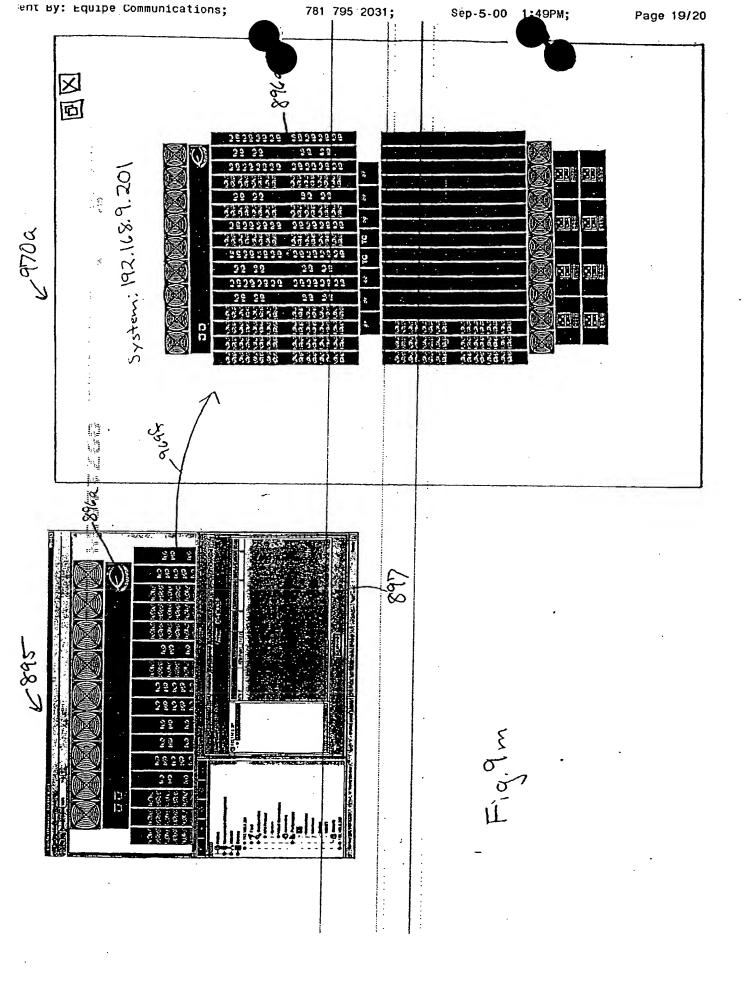


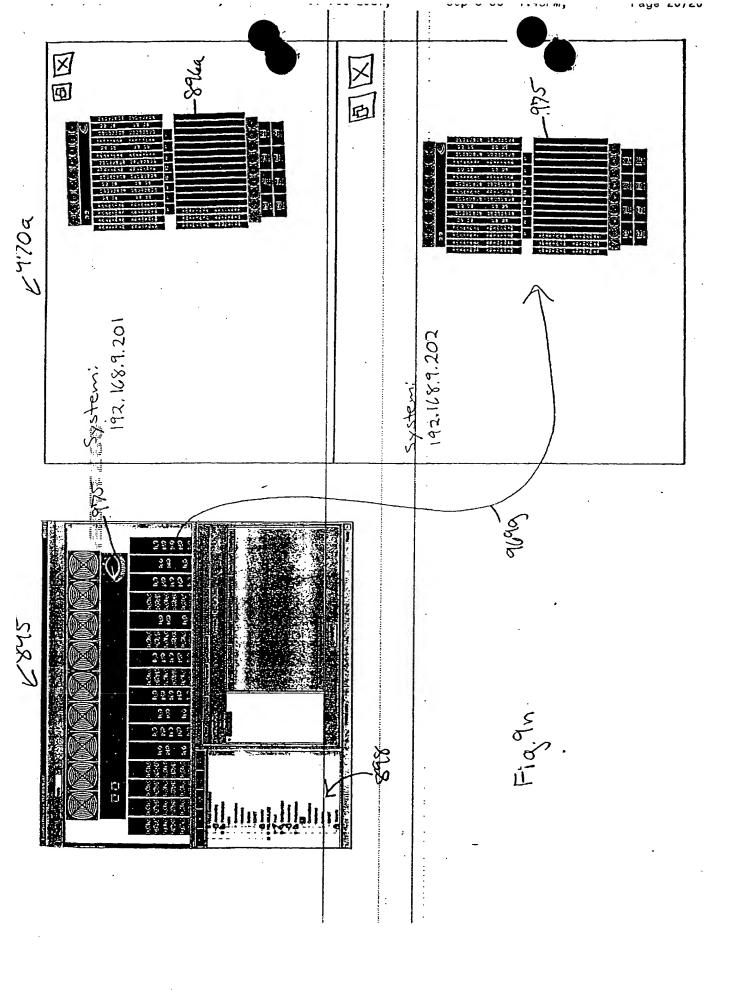


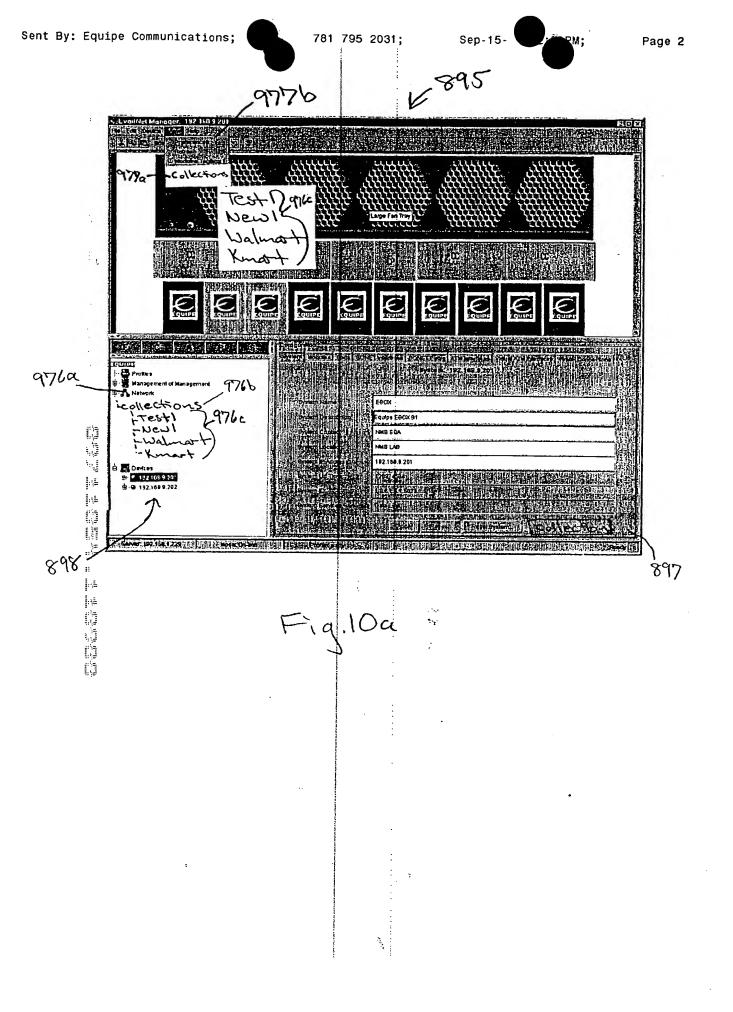


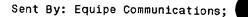












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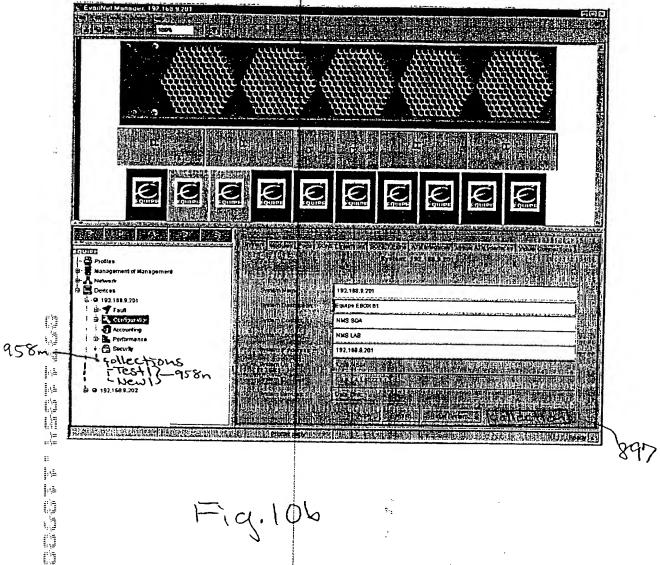
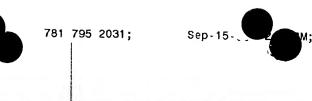


Fig. 106



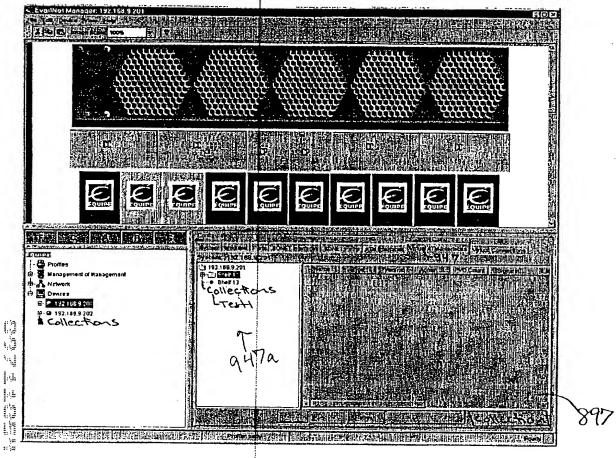
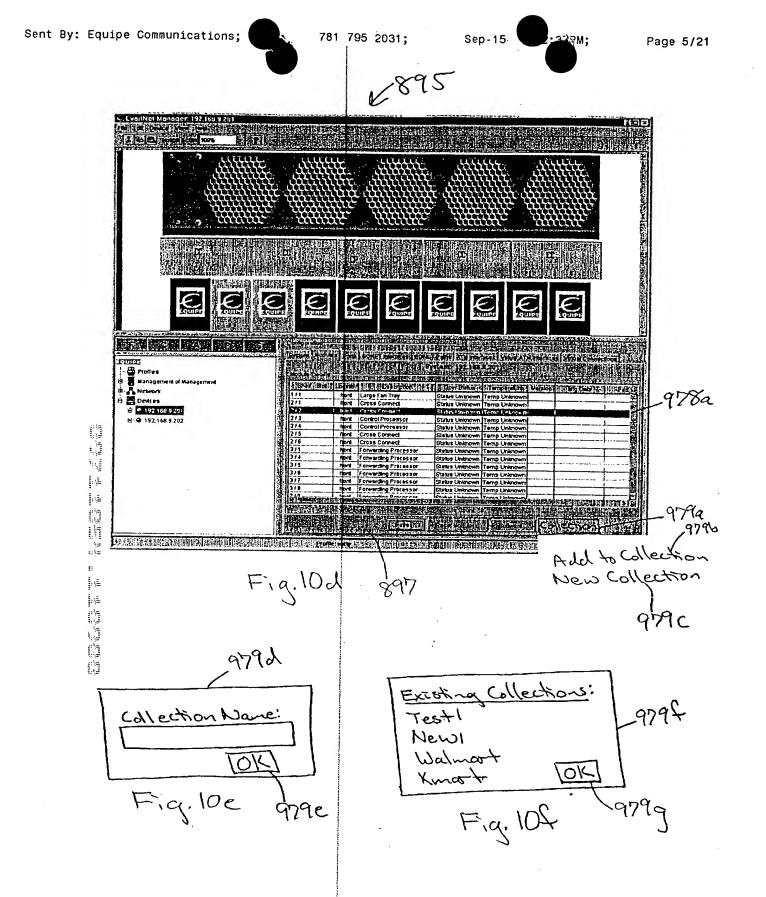
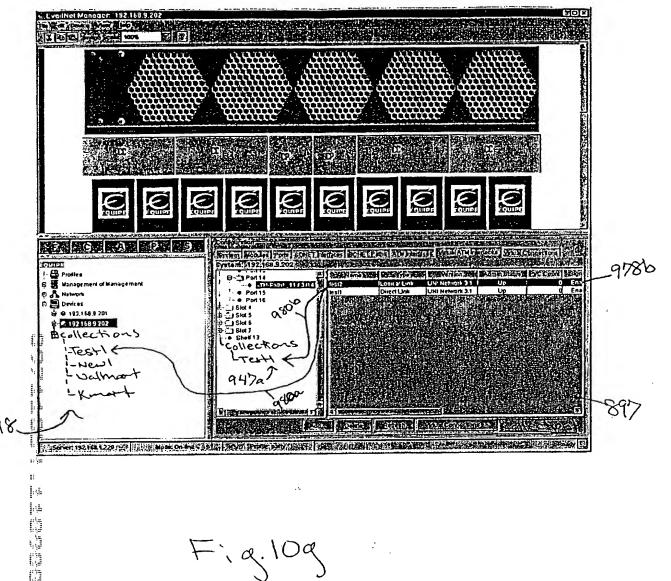


Fig. 10c







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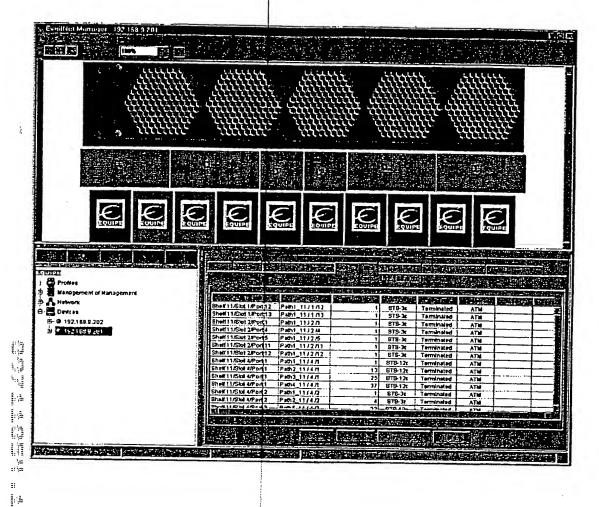
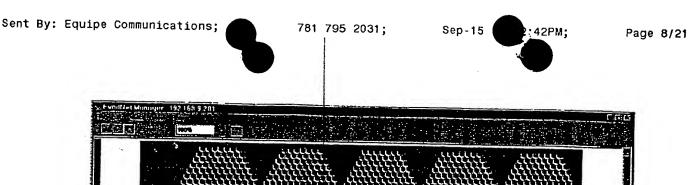
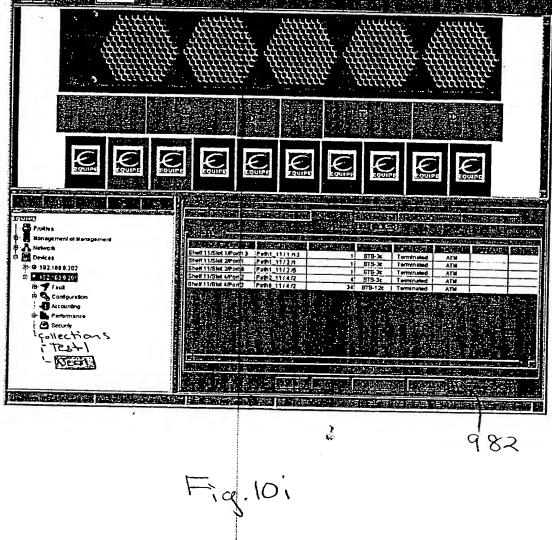


Fig. 10h



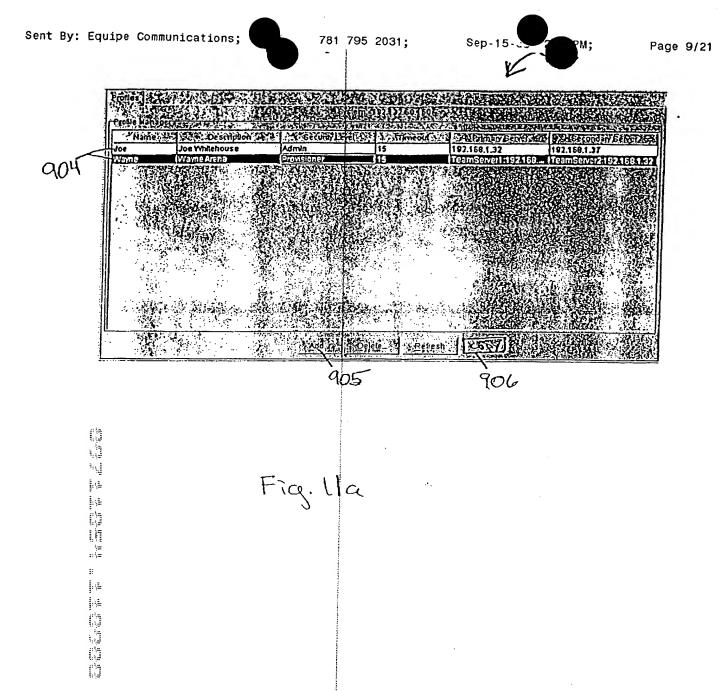


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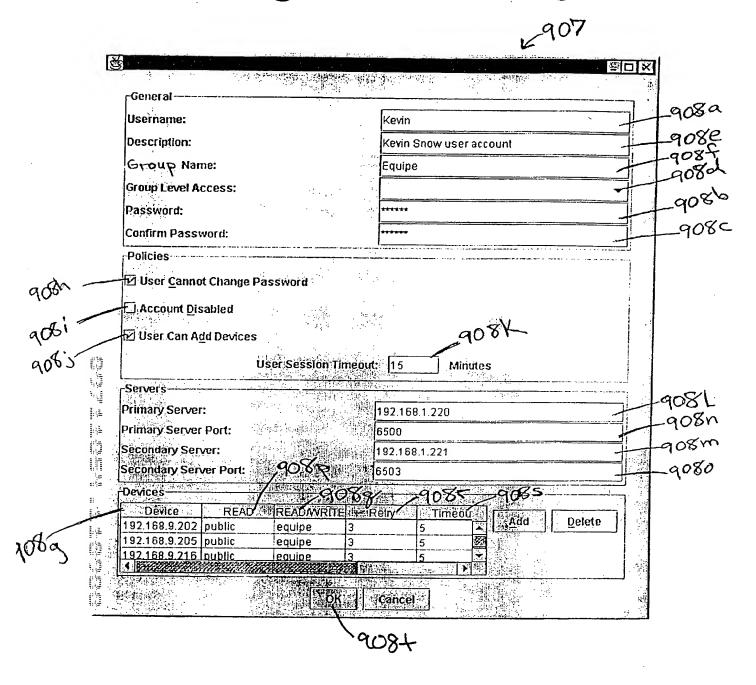
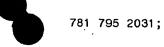
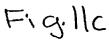


Fig.116

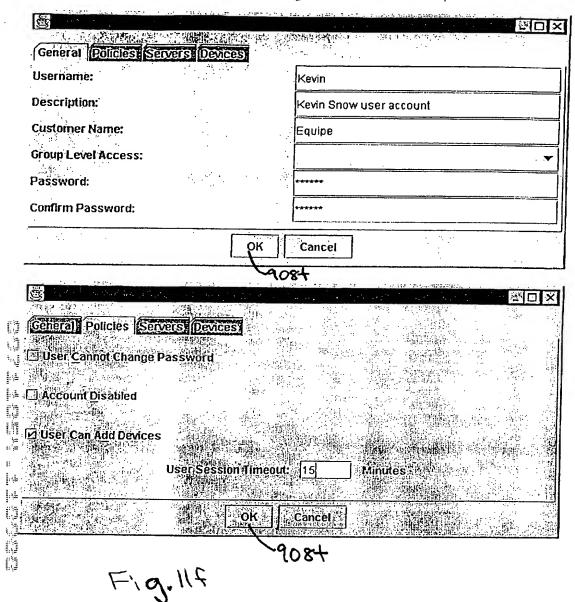


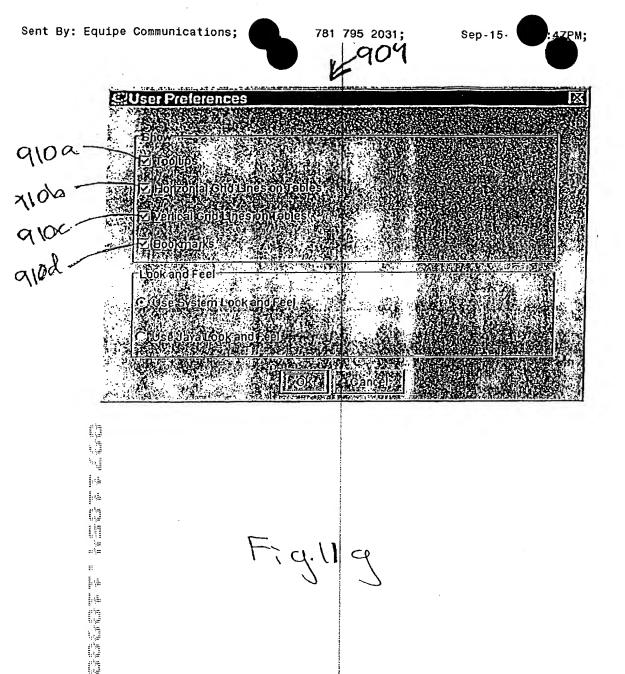


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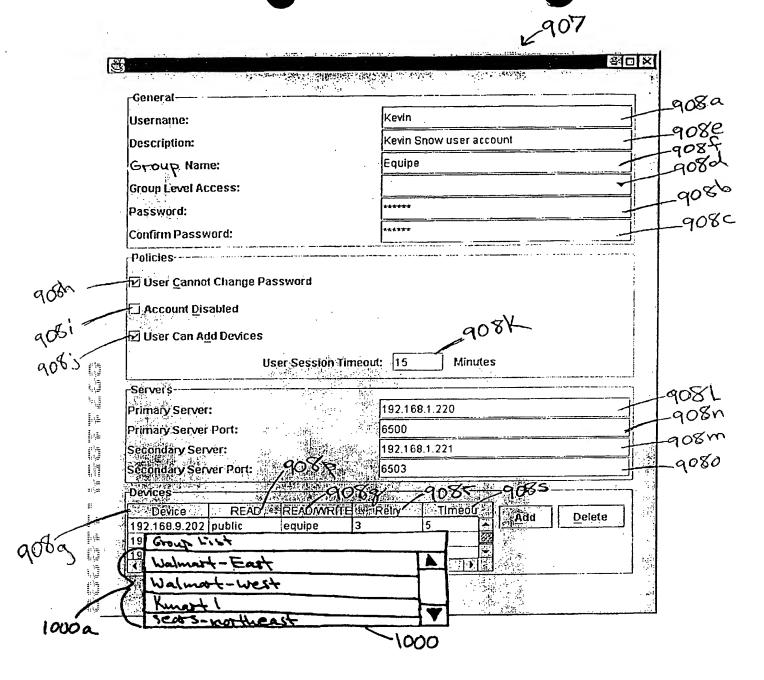
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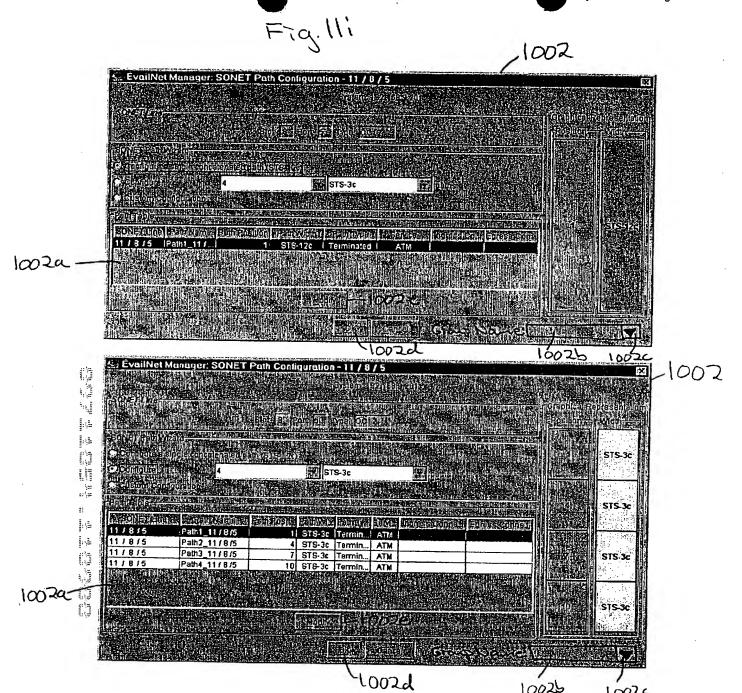
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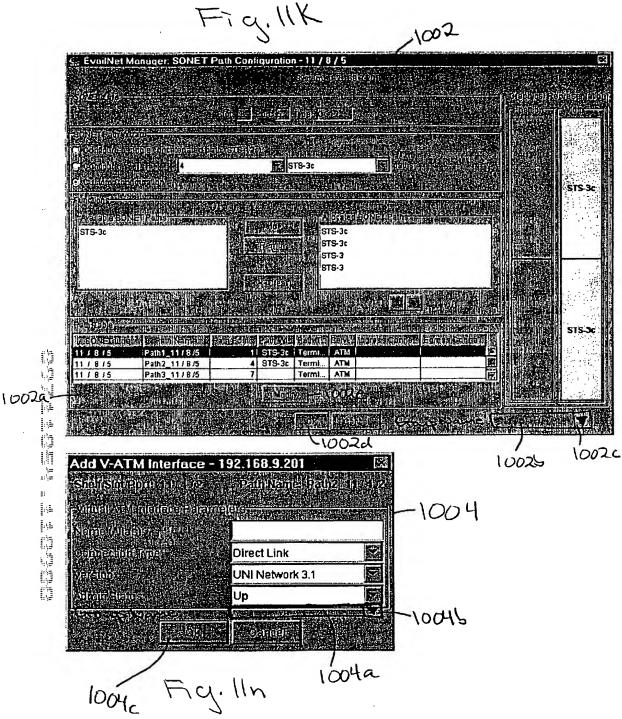
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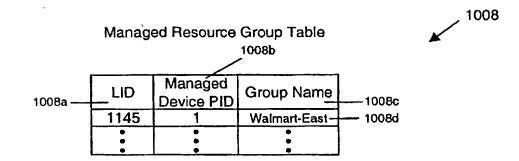


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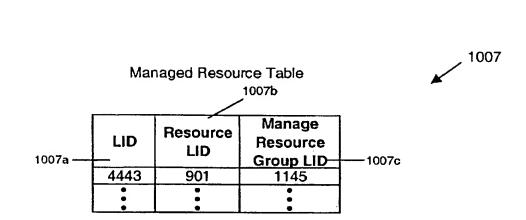


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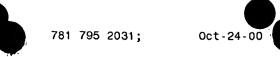


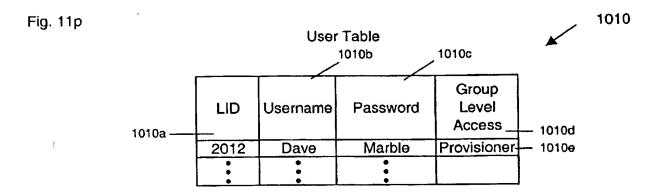


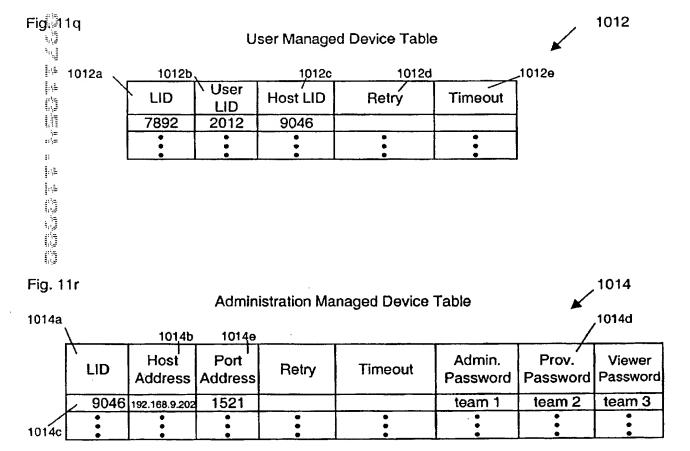
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Fig. 11s

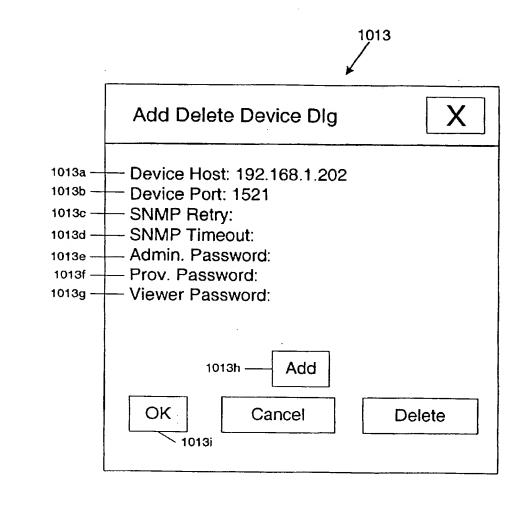
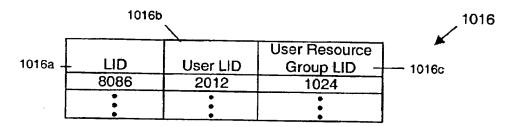


Fig. 11t

User Resource Group Map Table





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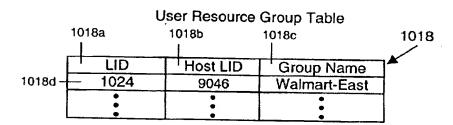


Fig. 11v

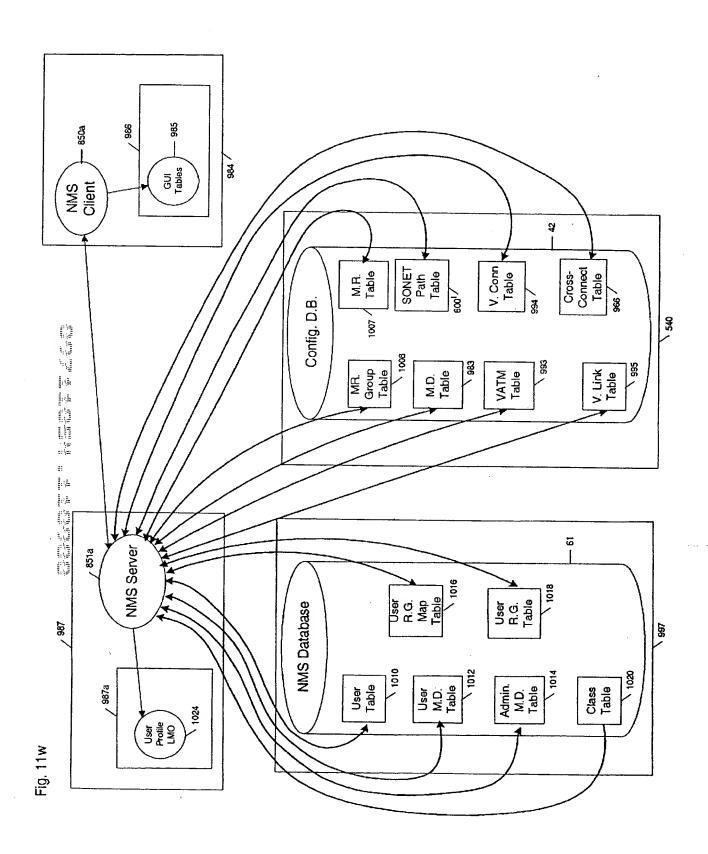
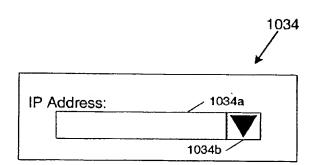
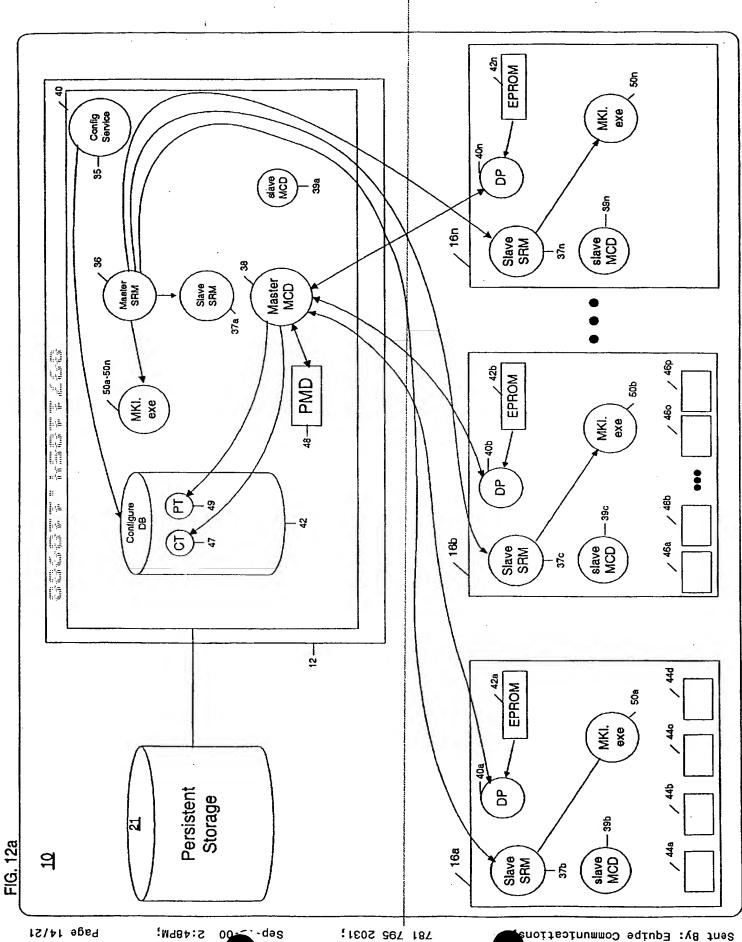


Fig. 11x



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	CWD TYPE	0XF002	0XF002		• •	•	0X6002	•		•	0XF002	•	• •	•
	PID	200	501		• •	•	505	•	•	•	513	•	• •	•
		16 a—	16 b			• ,	16e —				16 n			

FIG. 12

Sent By: Equipe Communications;

PORT TABLE

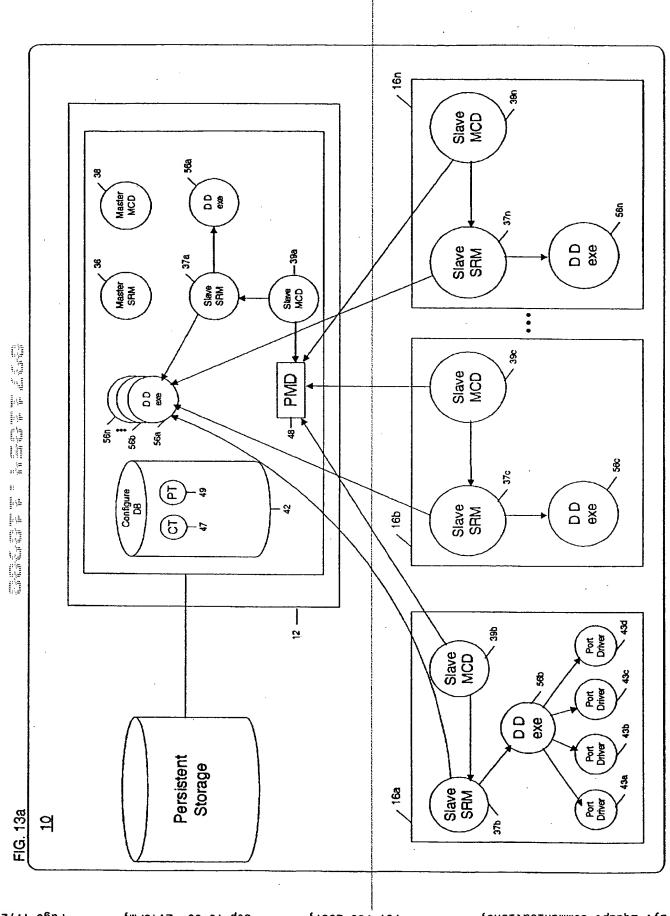
	_								1				
:							•	• • •			•	•	•
SLOT NO.			1	1	1		•	• • •		8	•	•	•
VERSION SLOT NO. NO.		1	-	1	1			• • •		1	•	•	•
PORT TYPE		00620	00620	00620	00620	00820		• • •		00620	•	•	•
PID		1500	1501	1502	1503	1504		• • •		1600	•	•	•
	•	44a —	44b	44c —	44d —	44a —		46a —	ready see . some style december of many	-			

FIG. 12

Sent By: Equipe Communications;

Sep-1-00 2:48PM;

\$150S 26Y 18Y

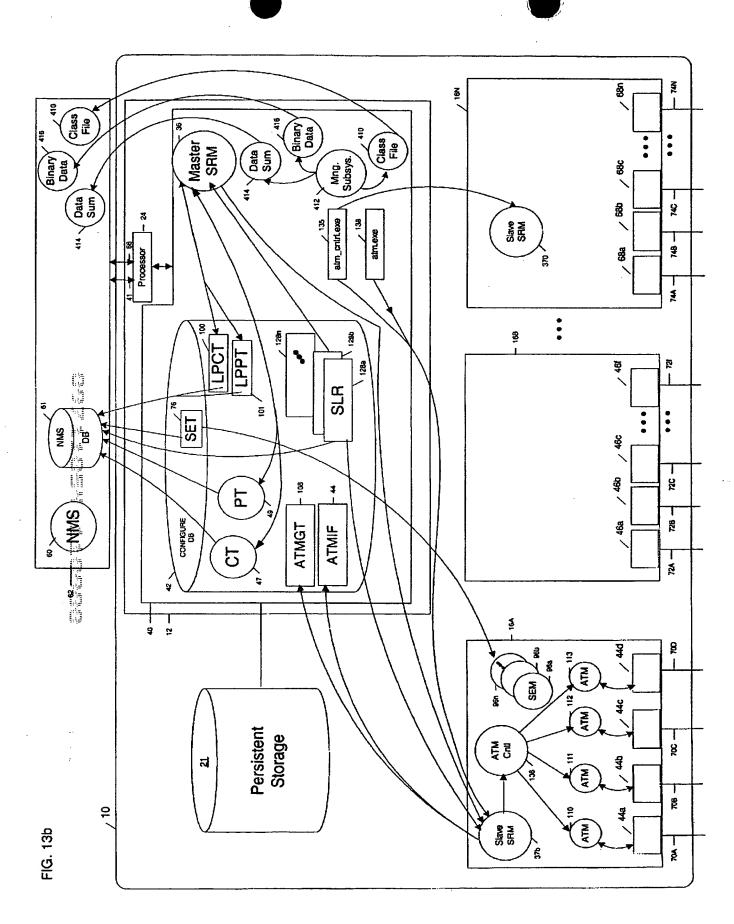


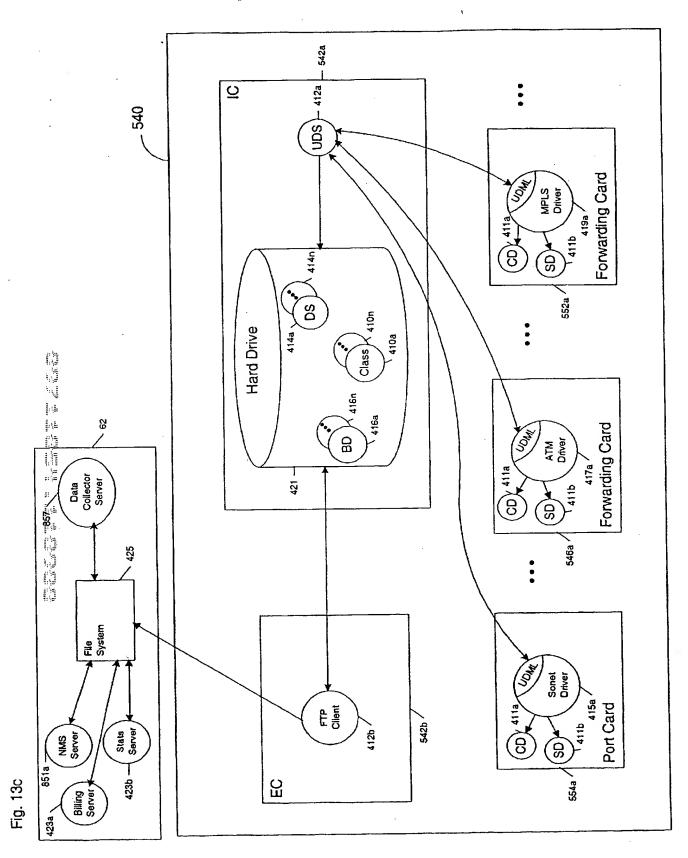
Page 17/21

Sep-15-00 2:48PM;

181 795 2031;

Sent By: Equipe Communications;





nt By: Equipe Communications;



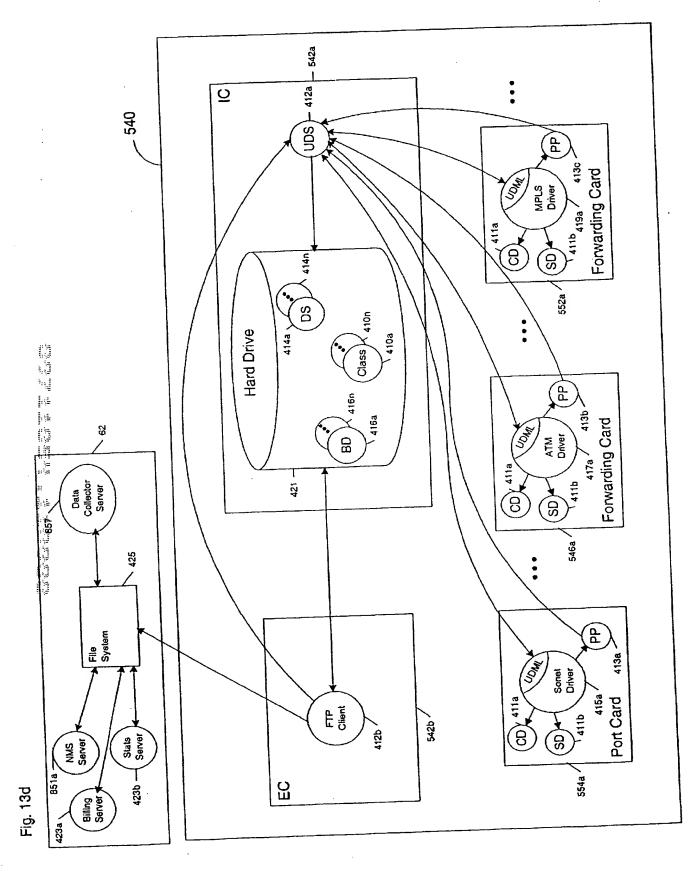


FIG. 14a

Service Endpoint Table 76

	Servid Endpoir	Port PID
78	1	1500
80	2	1501
82 —	3	1501
84 —	4	1501
86	5	1502
88 —	6	1502
90	7	1503
92	8	1503
94 —	.9	1503
168	10	1502
	:	:

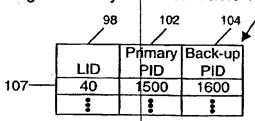
FIG. 14b

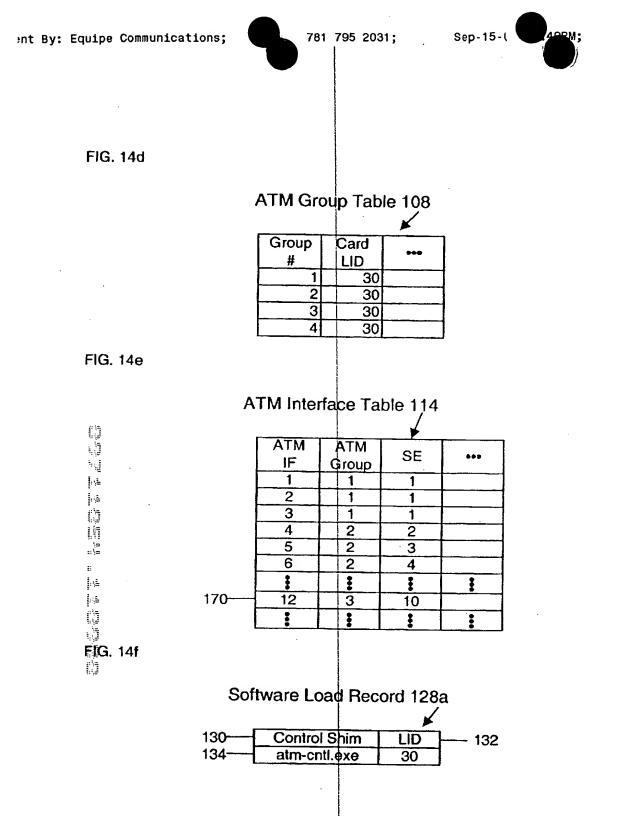
Logical to Physical Card Table 100

			}		
	98		102	104	./
1					×
		Pı	imary	Back-up	
	LID		PID	PID	
106	30		500	513	
109-	31		501	513	
	•		:	į	
					,

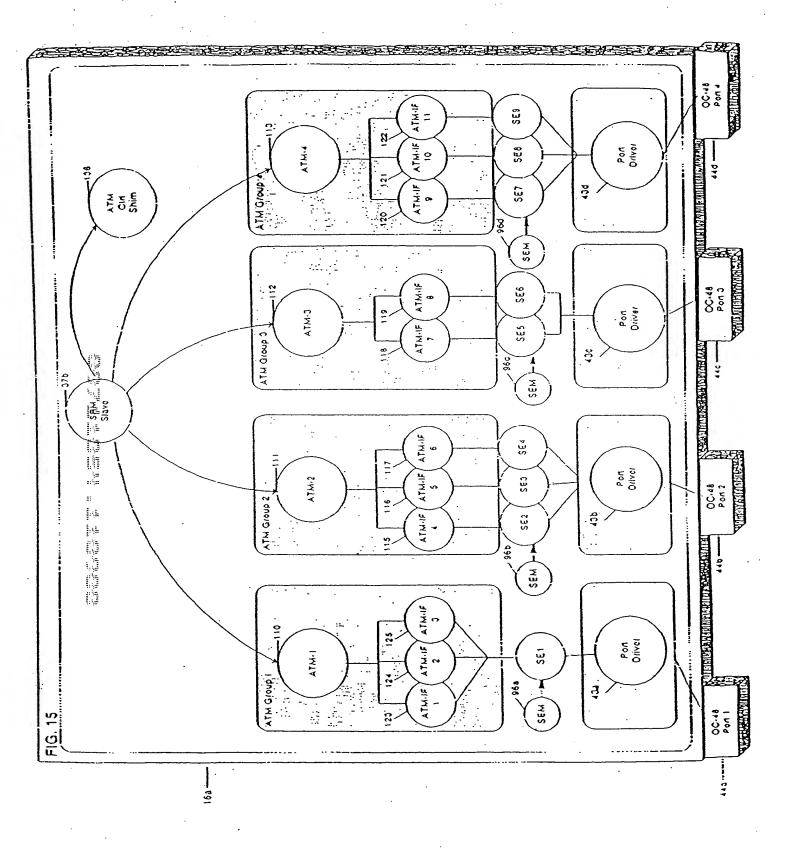
FIG. 14c

Logical to Physical Port Table 101





Page 21/21



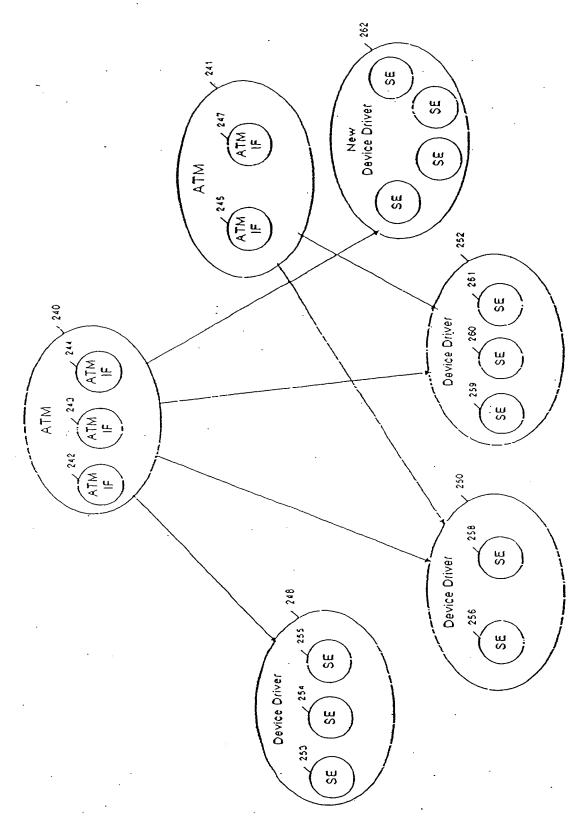
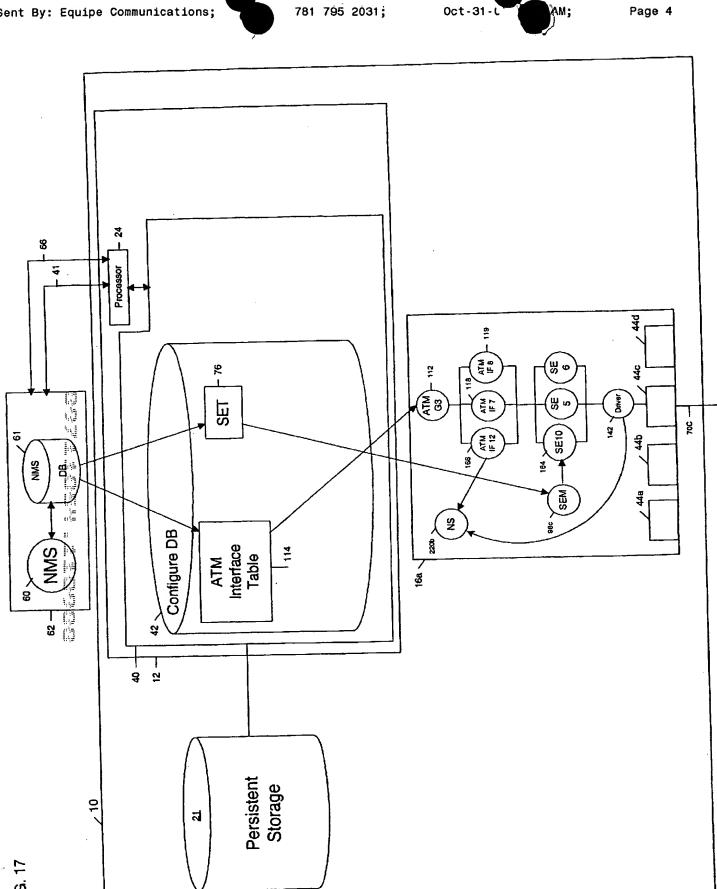


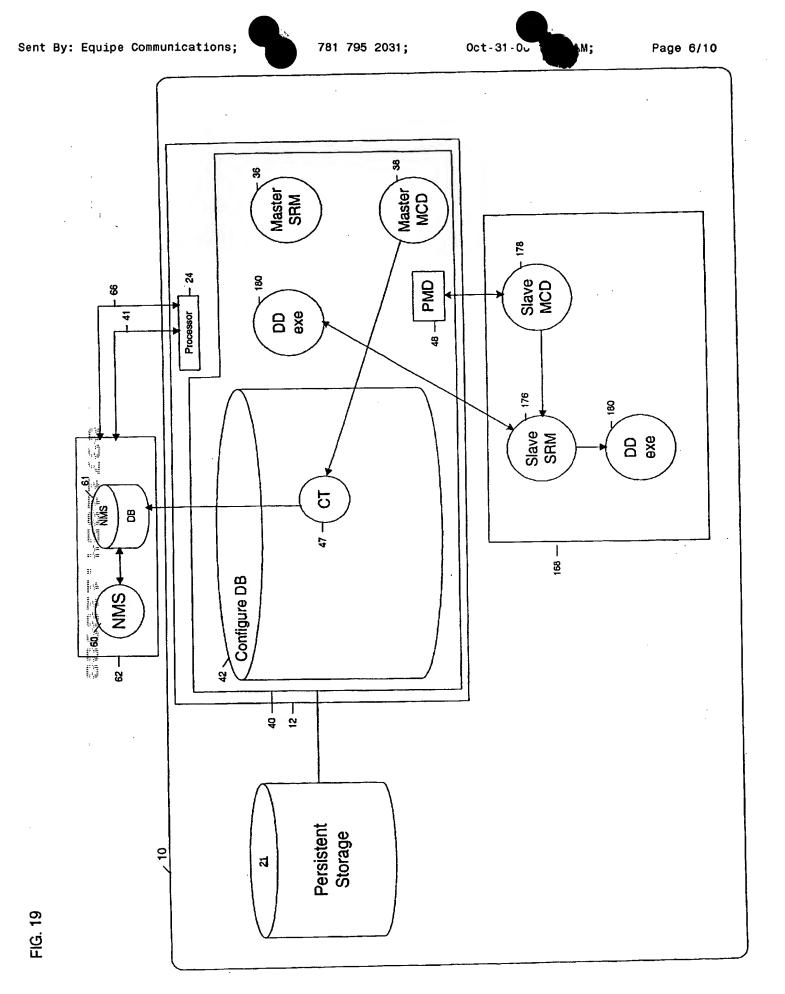
FIG. 16a

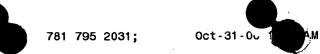
The state of the s

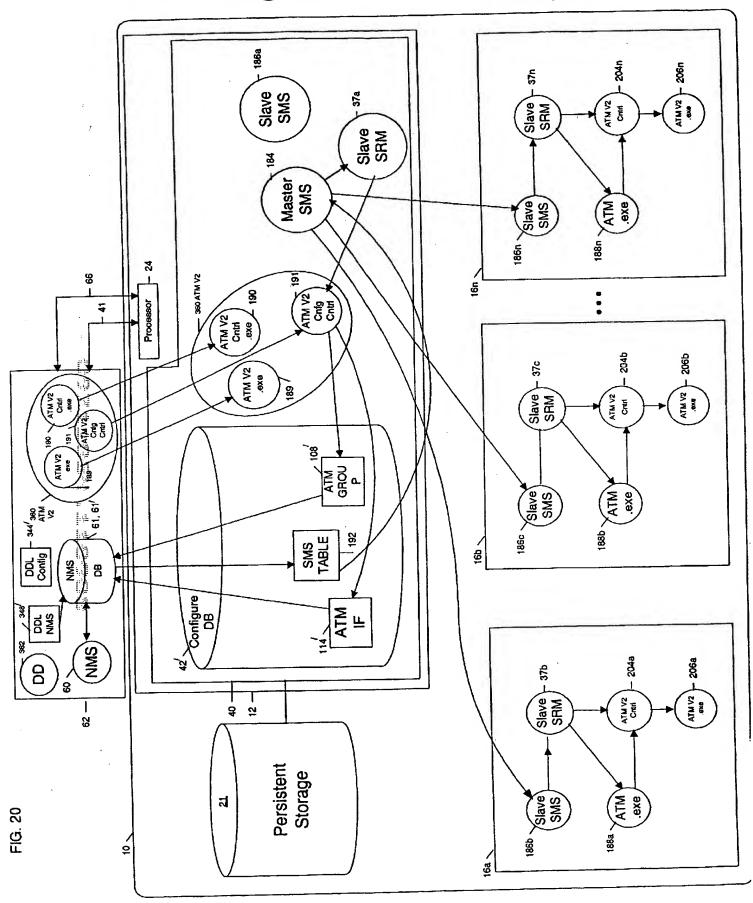


	270
272	· msg type
	:
274	Value
	•











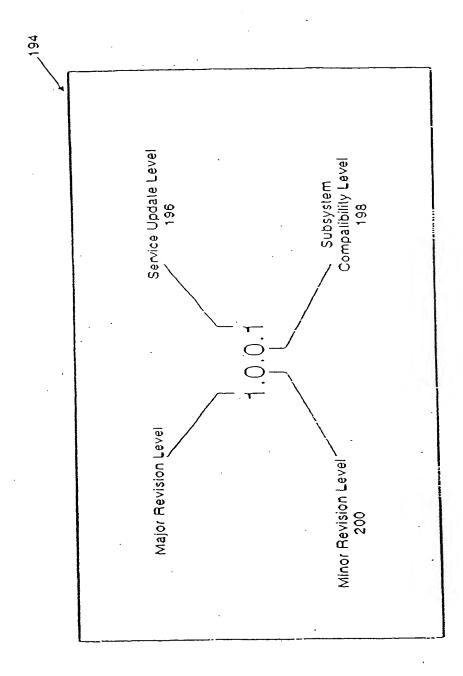


FIG. 22

781 795 2031;

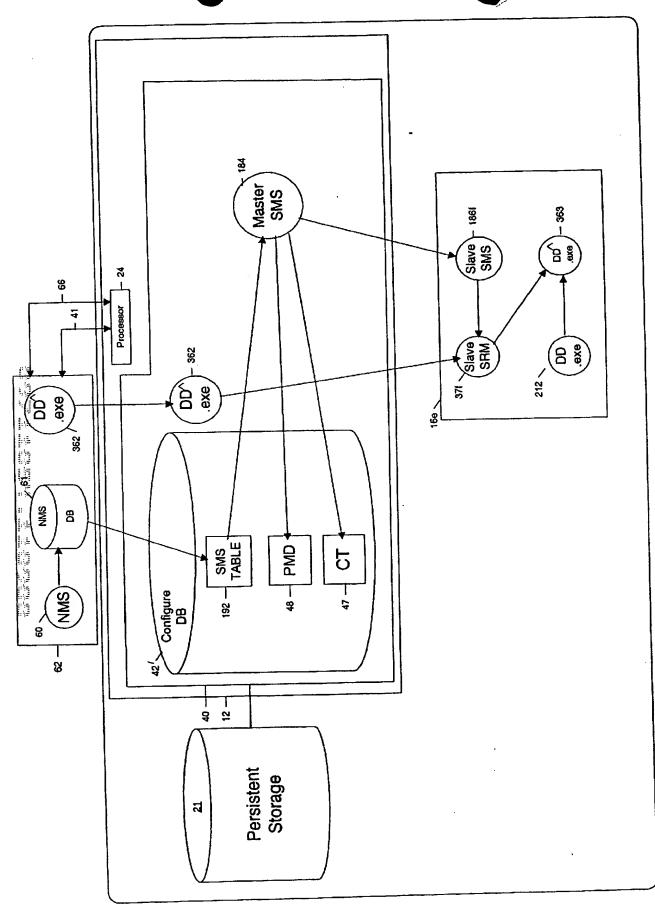
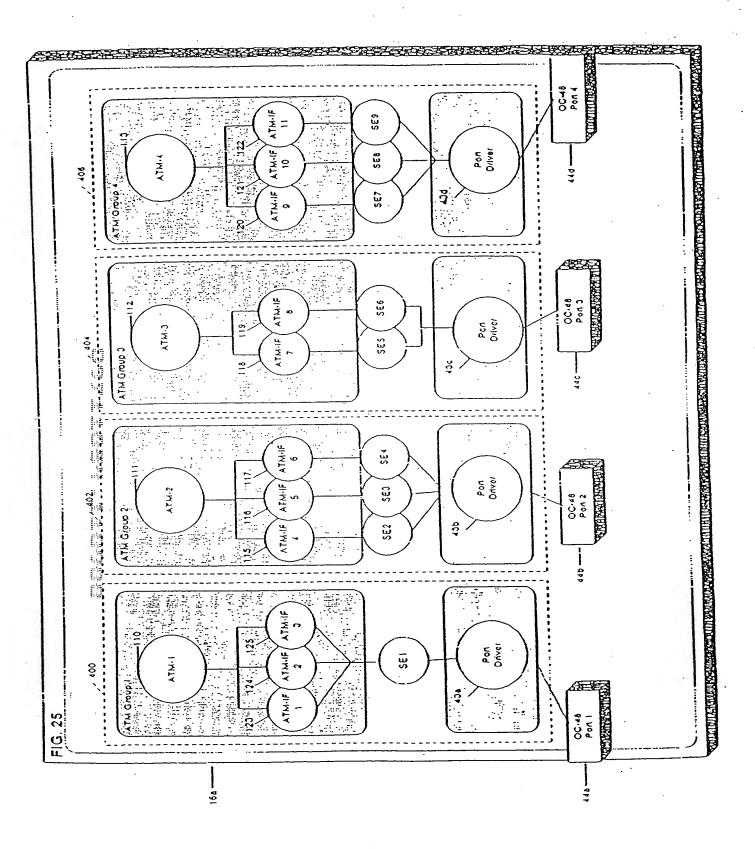
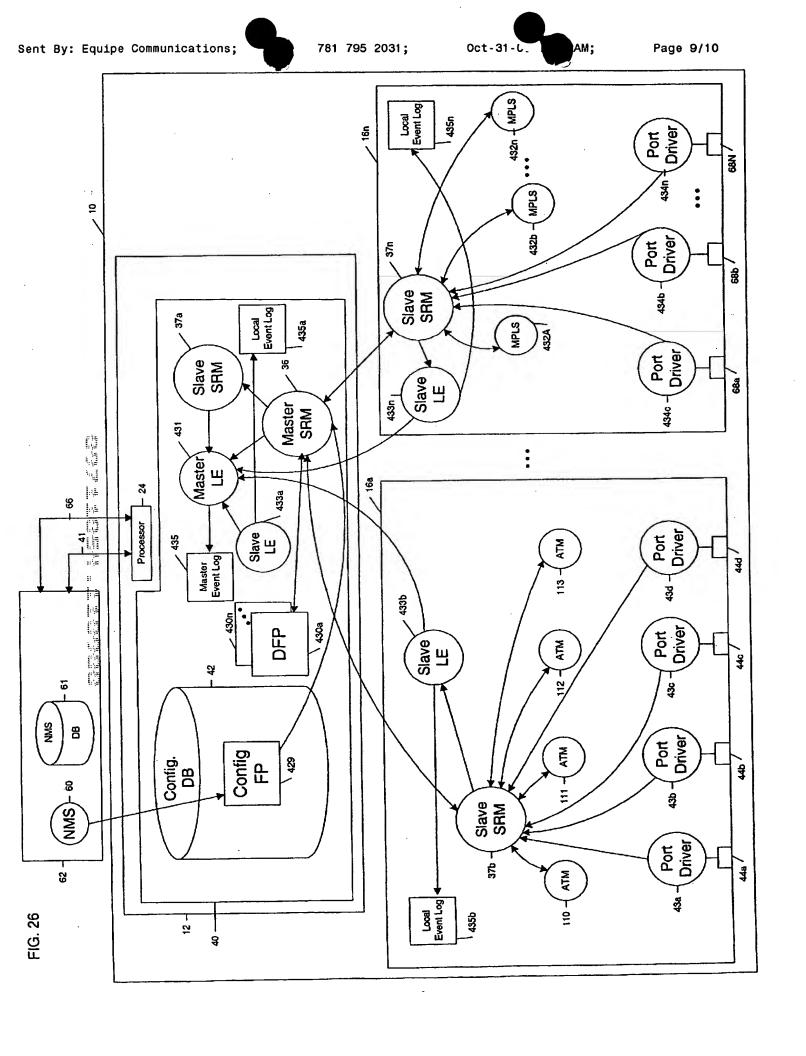


FIG. 24







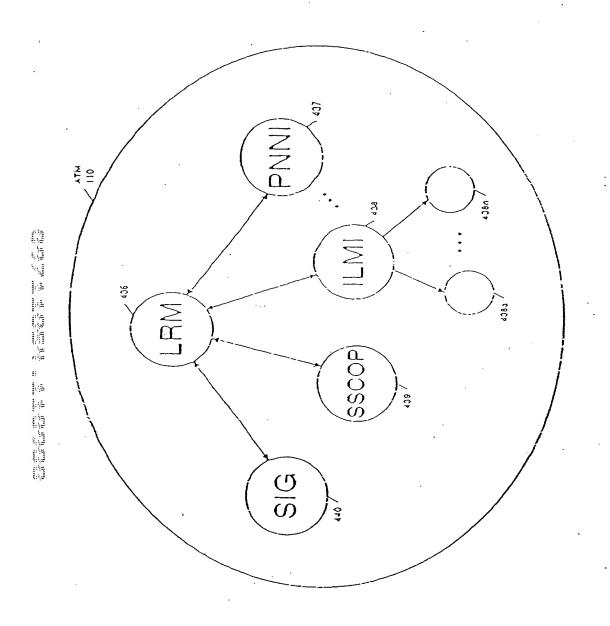
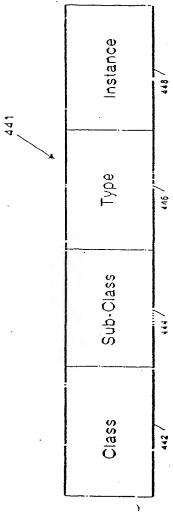
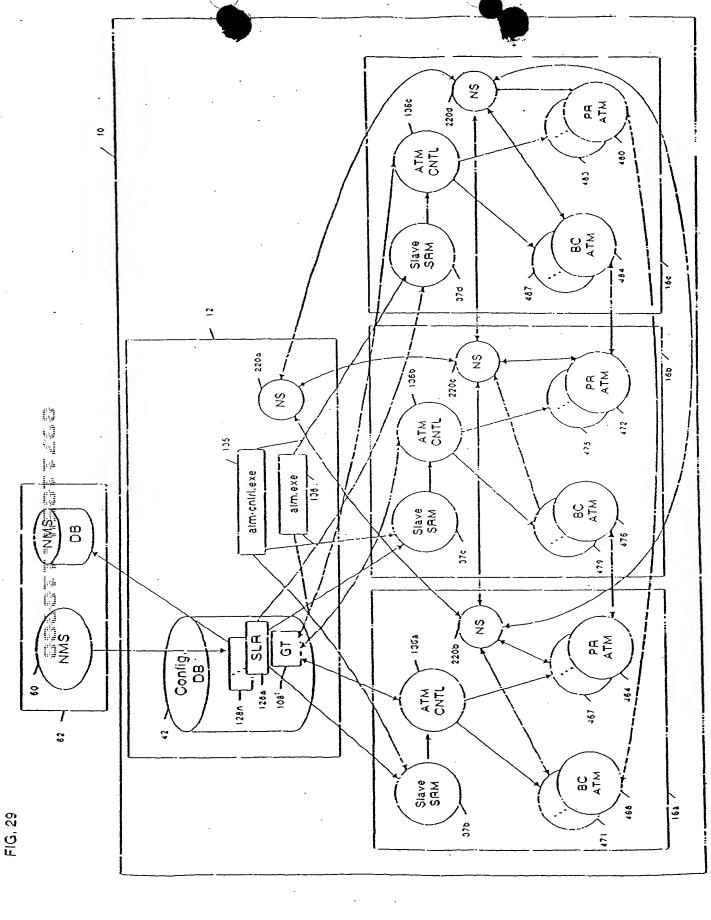


FIG. 27





oup Table 108						
		447 449				
		Group	Primary	Backup		
		#	Card LID	Card	• • •	
				LID		
450		1	30	31		
451		2	30	31		
452		3	30	31		
453		4	30	31		
454		5	31	32		
455		6	31	32		
456		7	31	32		
457		8	31	32		
458		9	32	30		
459		10	32	30		
460		11	32	30		
461		12	32	30		
					•	
		•	•	•		

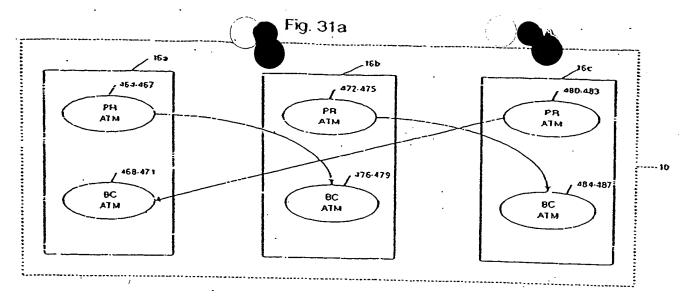
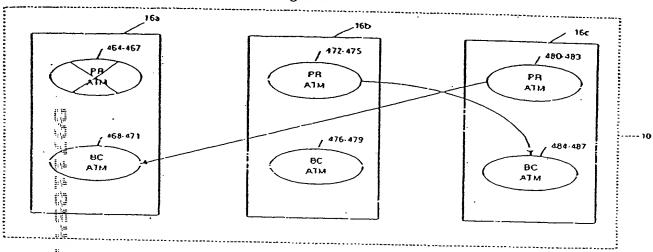


Fig. 31b



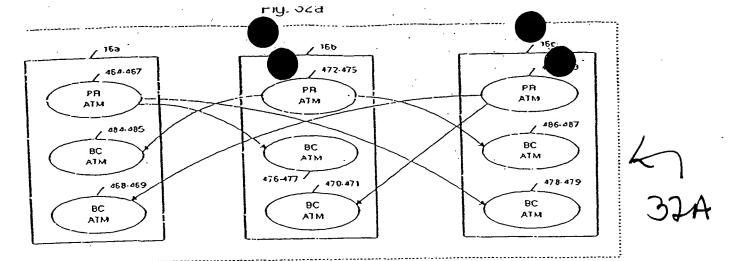


Fig. 32b

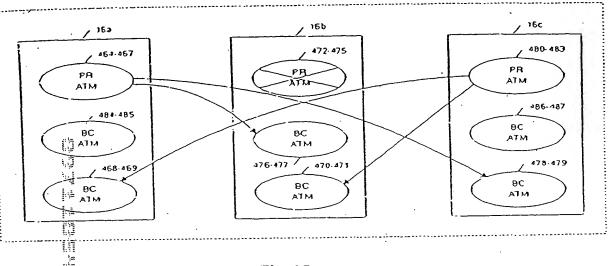
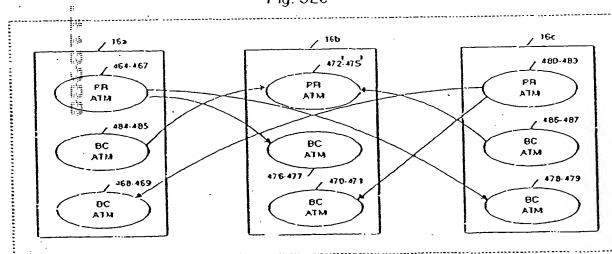
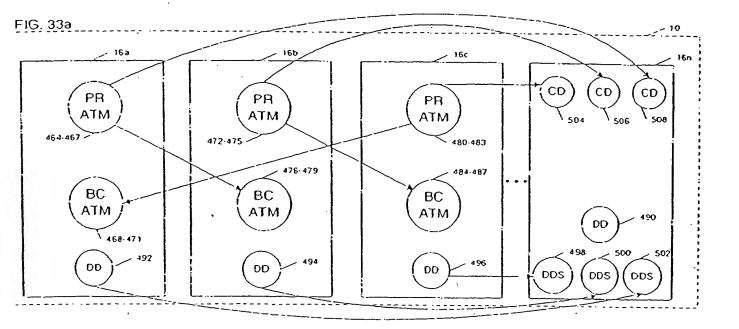
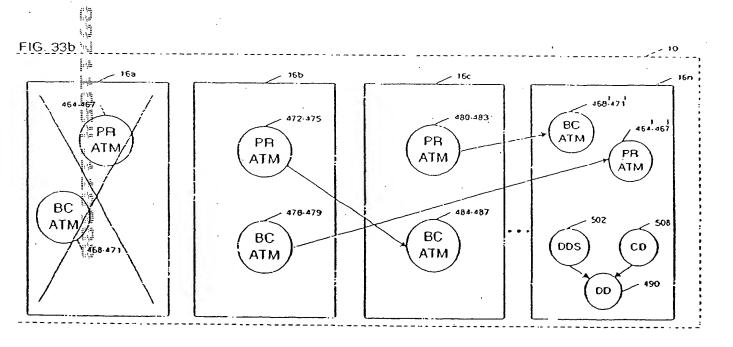
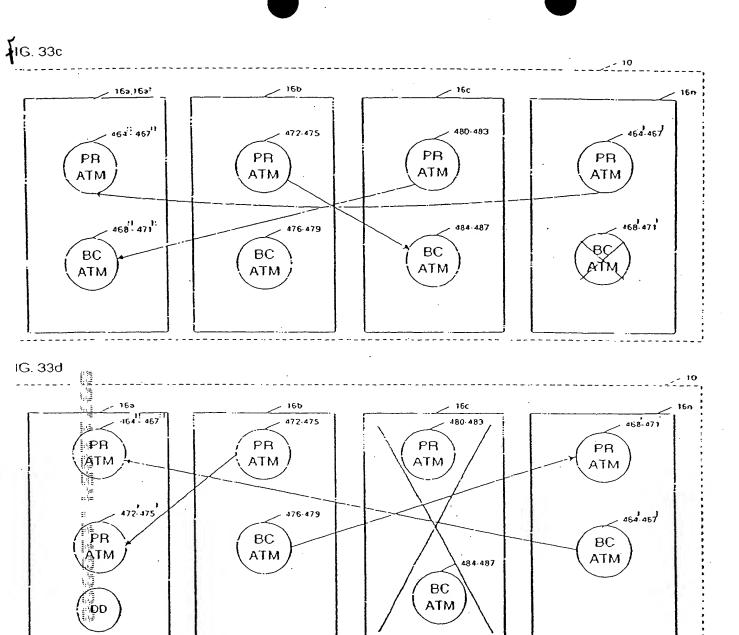


Fig. 32c









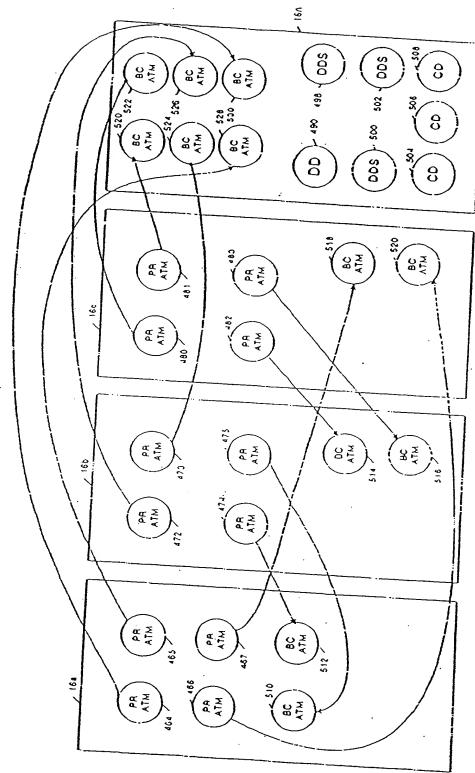
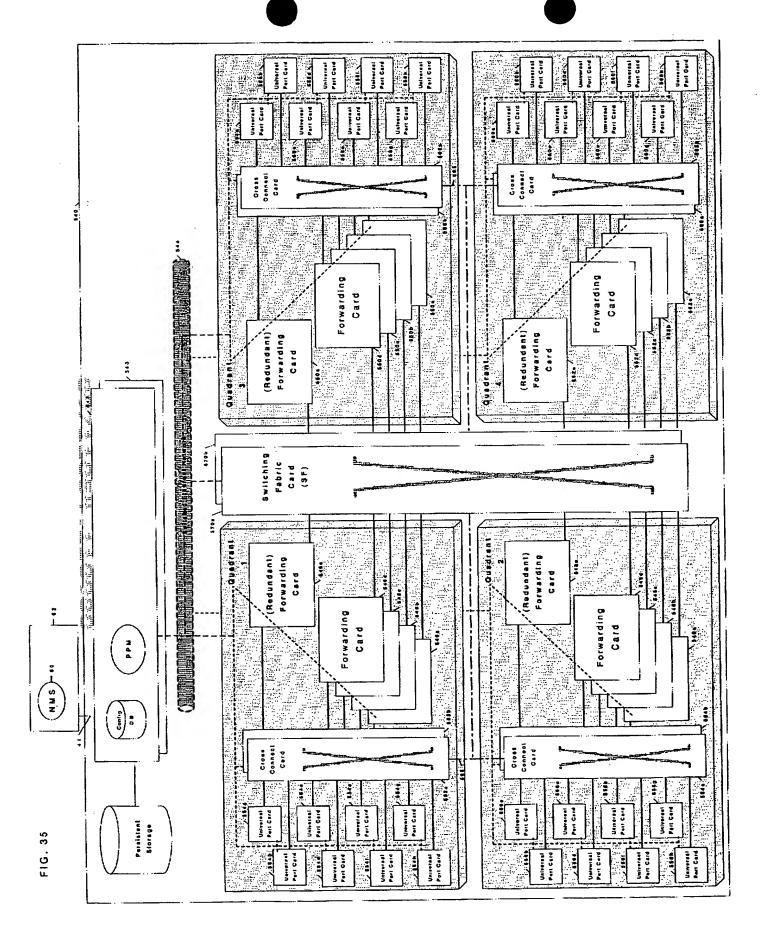


Fig. 34a



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Page 2

Jul-12-00 3:56PM;

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By: Equipe Communications;

FIG. 38

Path Table 600

:		• • •
# of Time Slots	3	• • •
Time Slot	4	• • •
UP Pod DIJ	1231	• • •
Path	1666	• • •
	602	

	•			•••
Service End Point Table 76'	610	Path PIO	1666	•••
	809	Time	5	•••
	909	FC Slice		
ce End		5.0		•••
SeZ		O #	-	•••
		S ⊞ #	878	•••
			604	

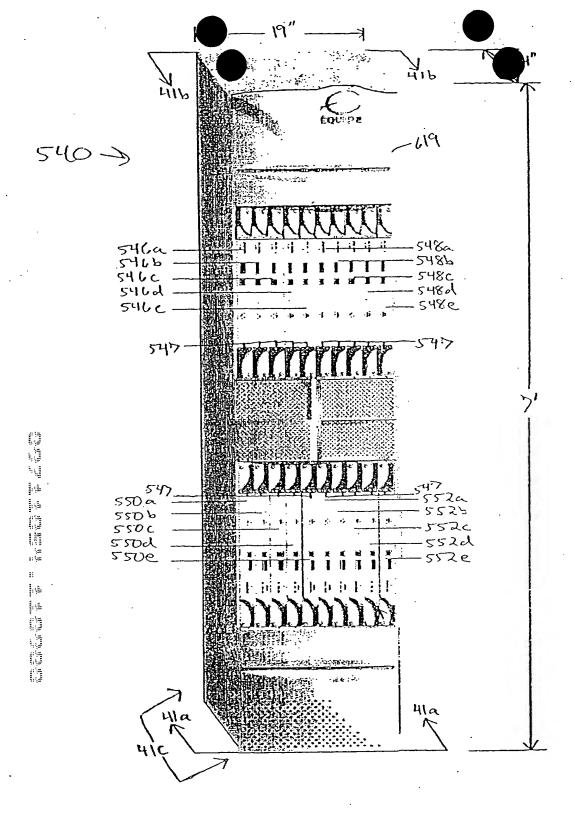
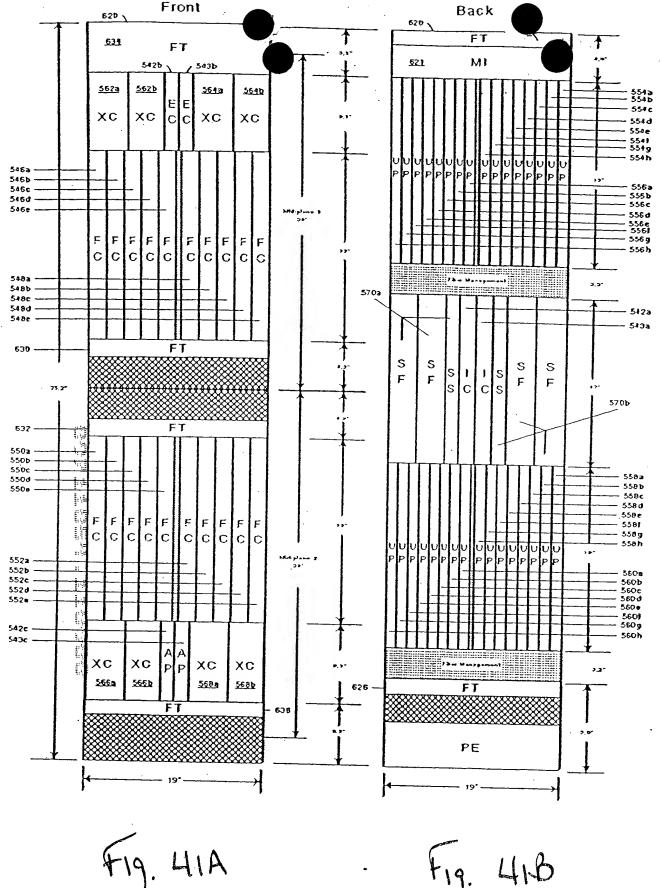


Fig. 40



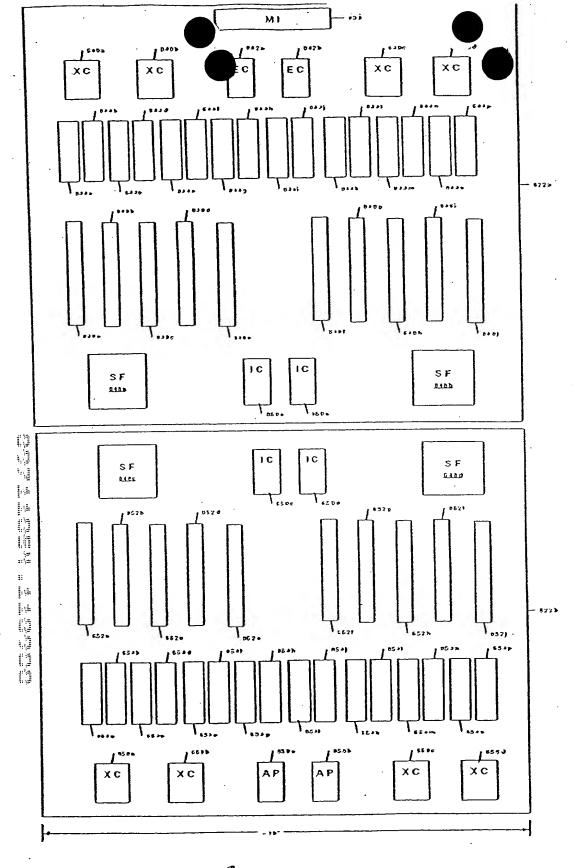
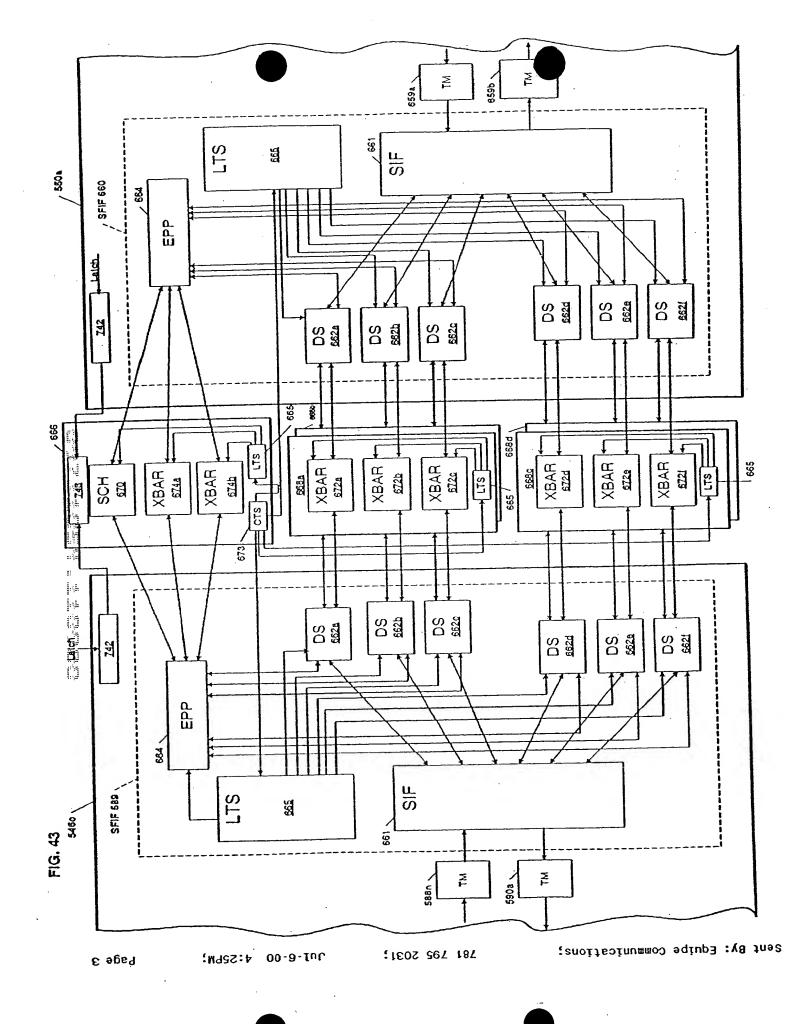
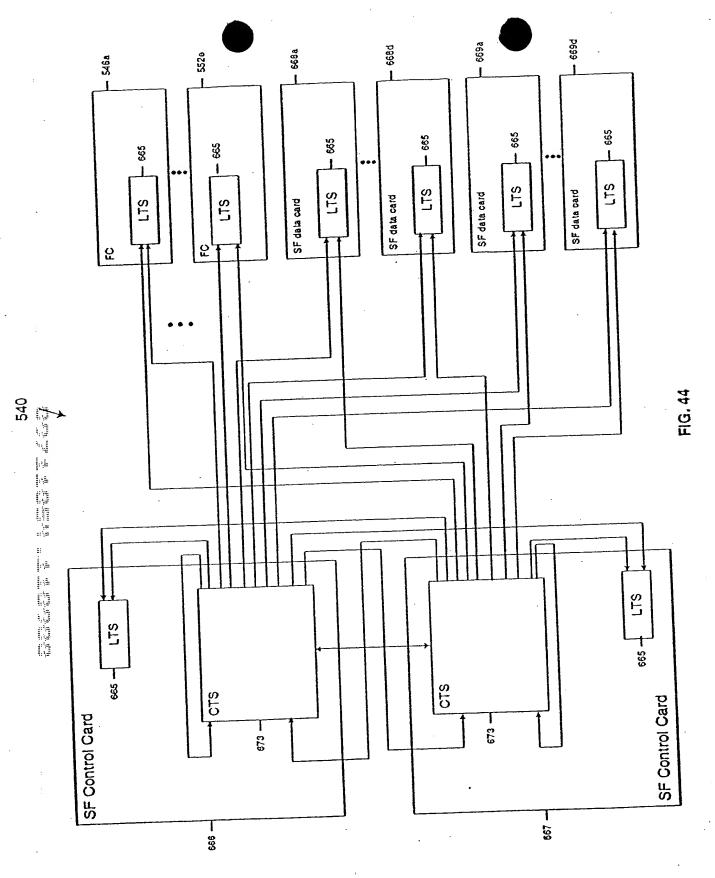


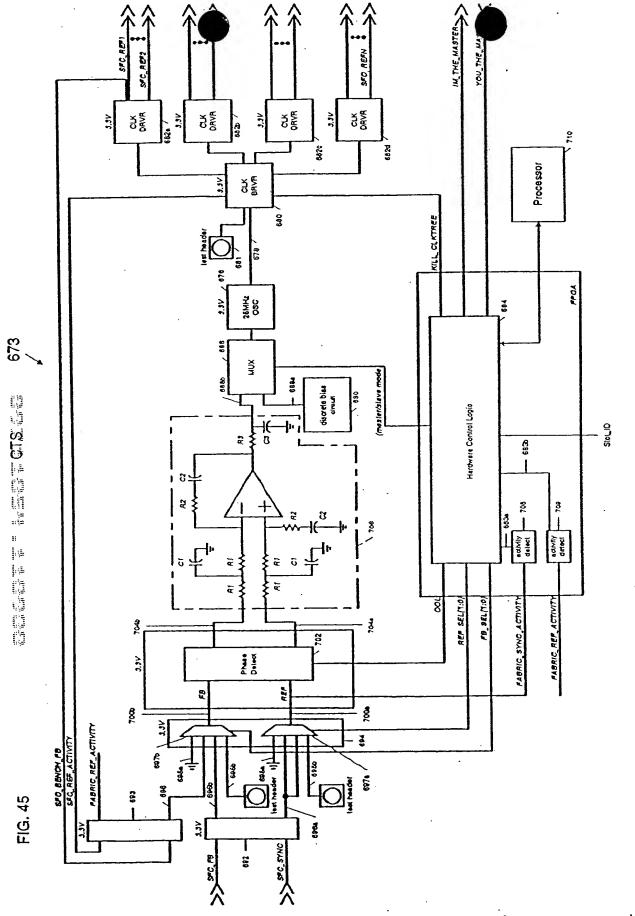
Fig. 42





Jul-6-00 4:26PM;

1802 267 187



5 9669

101-6-00 4:26PM;

:1505 26T 18T

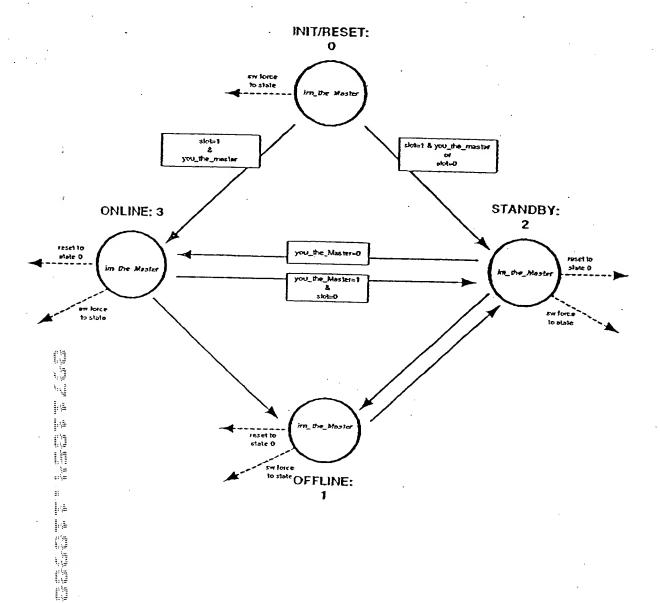
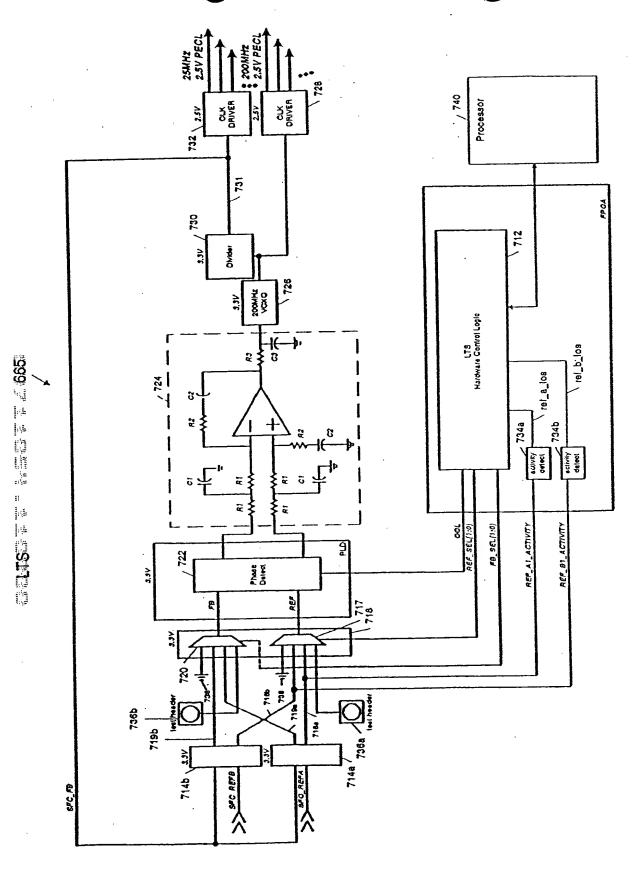


FIG. 46



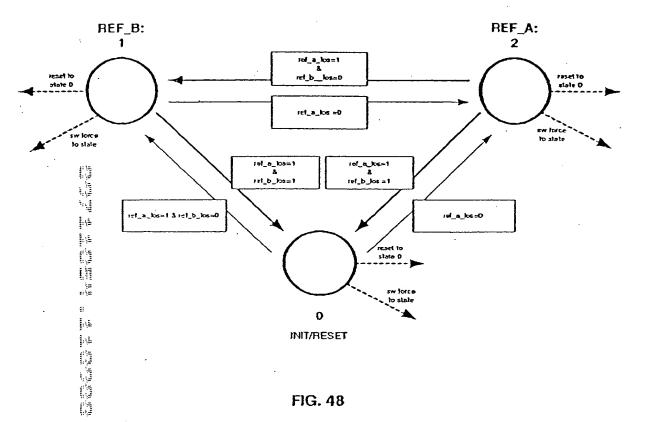


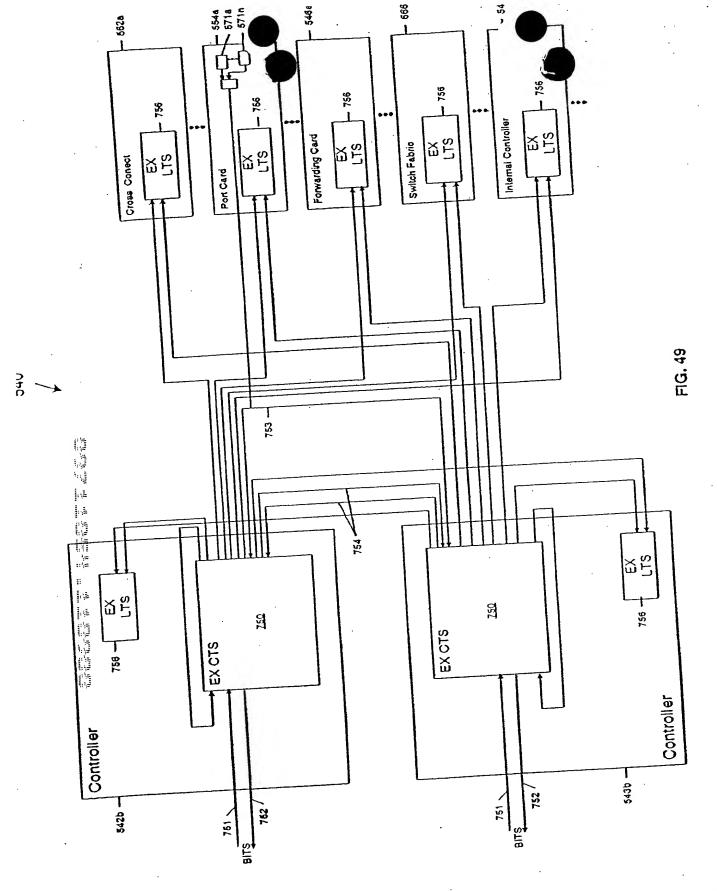
euf By: Equipe Communications;

181 795 2031;

101-6-00 4:26PM;

Page 7

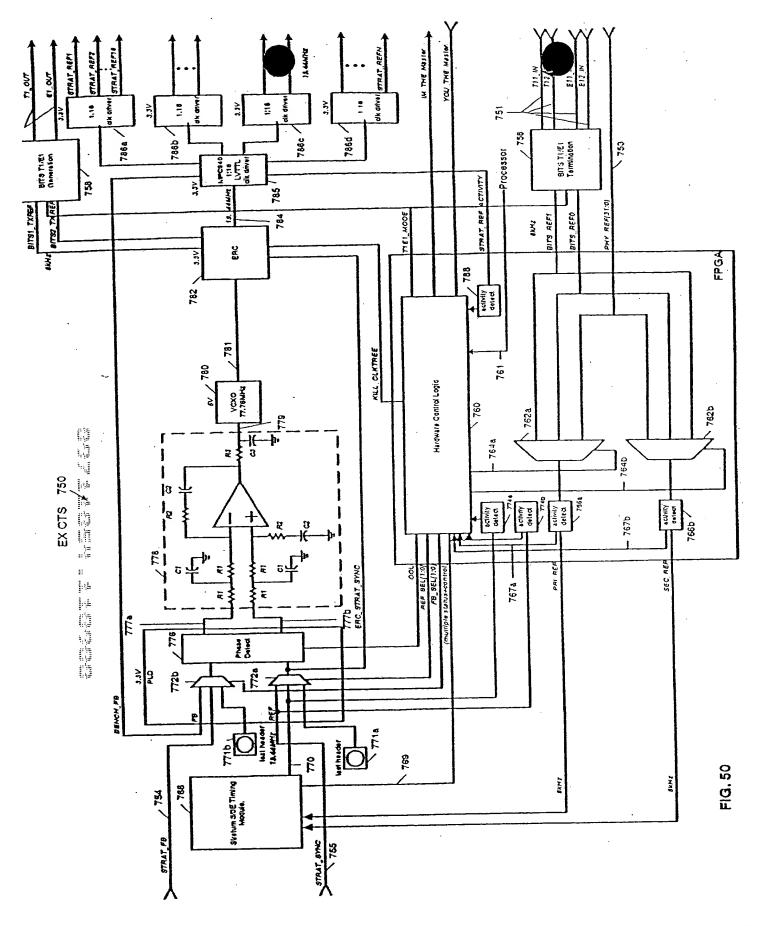




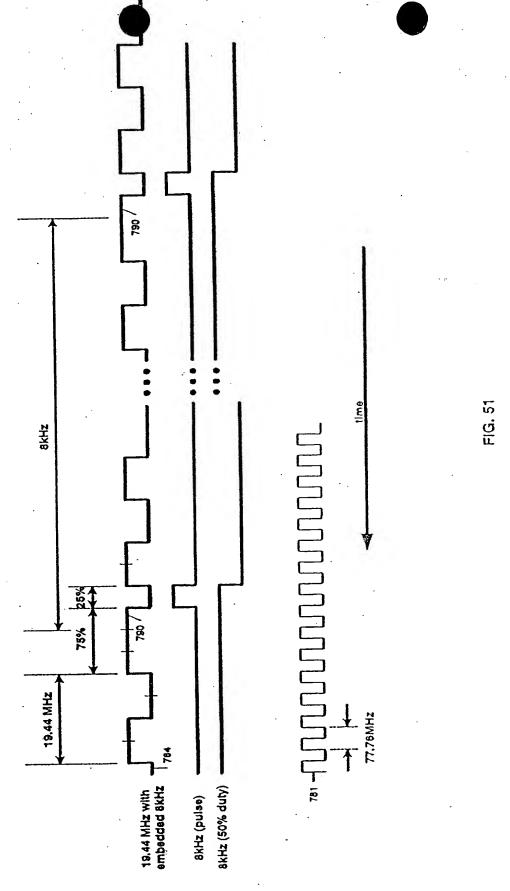
Jul-6-00 4:27PM;

6 age 9

1802 262 187



; 160S 263 18Y

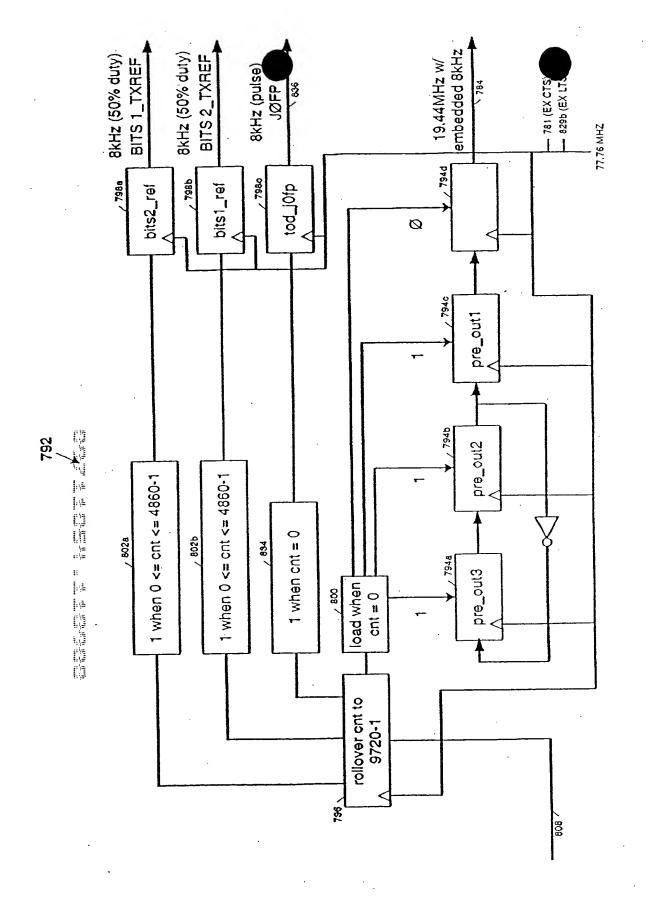


Sent By: Equipe Communications;

\$1802 262 184

Jul-6-00 4:27PM;

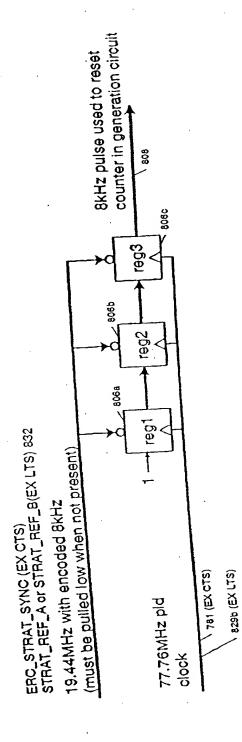
Page 11/15



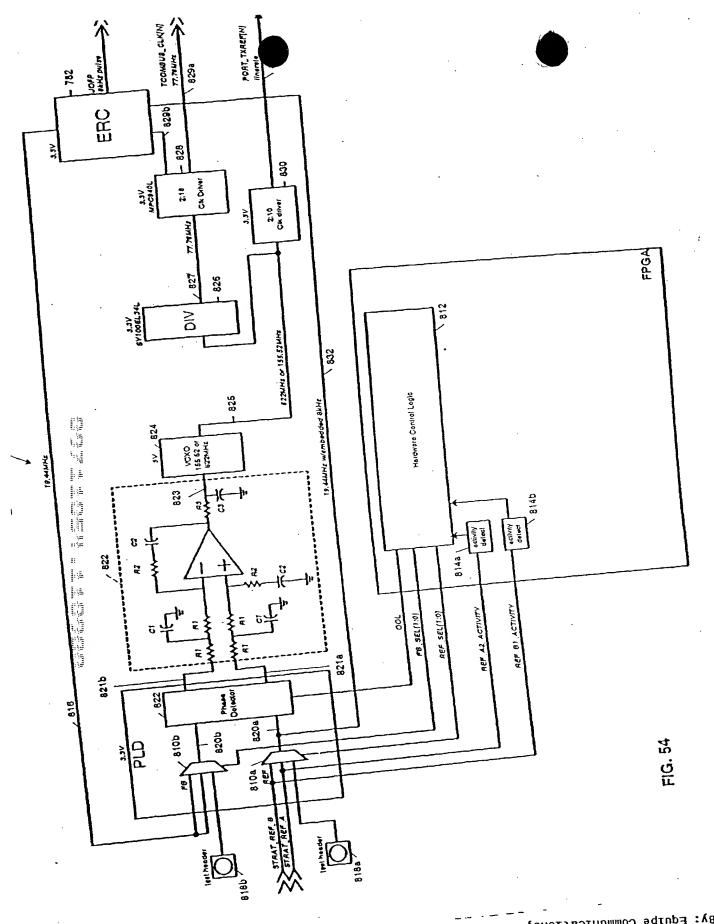
Sent 8y: Equipe Communications;

Fig. 52





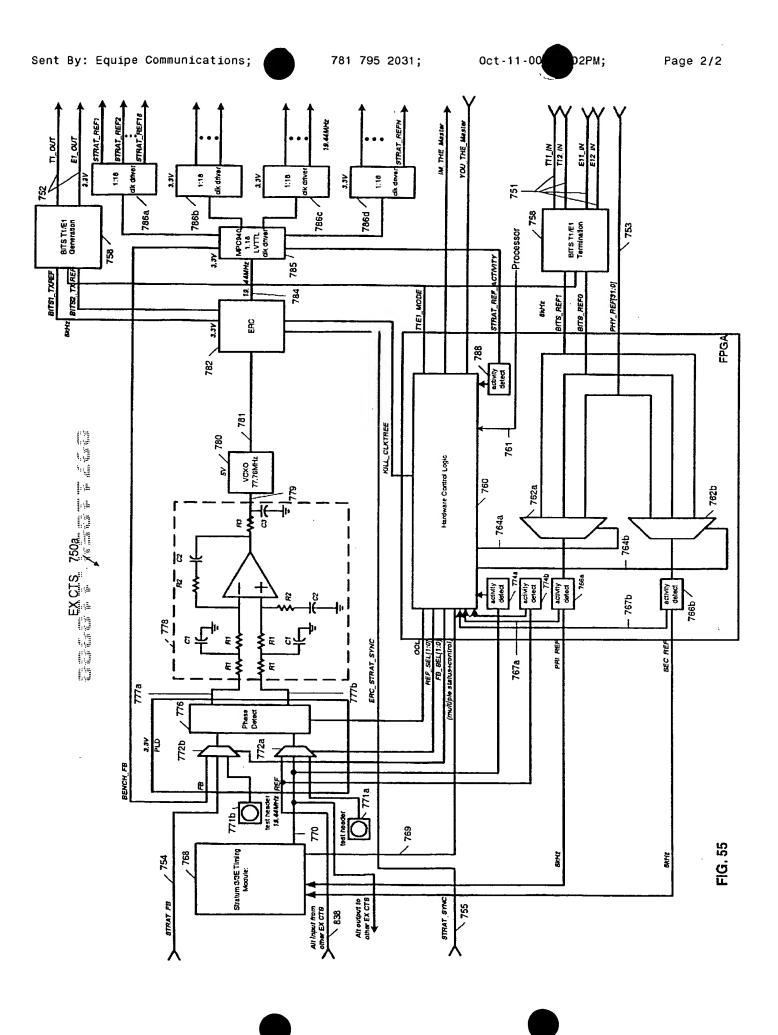
Extractor FIG. 53

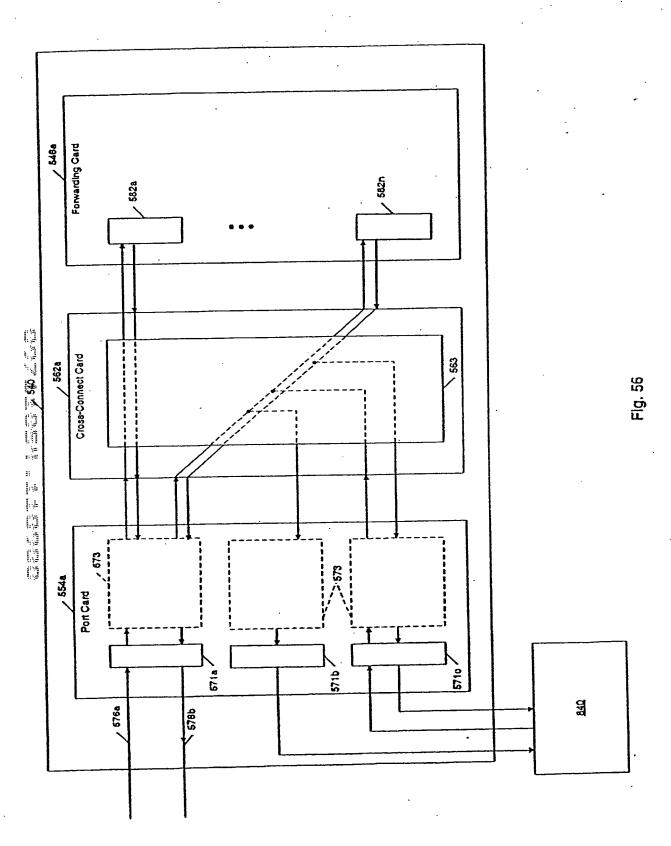


Jul-6-00 4:28PM;

Page 14/15

781 795 2031;





Seuf By: Equipe Communications;

Jul-12-00 3:57PM;

181 795 2031;

Page 3/5

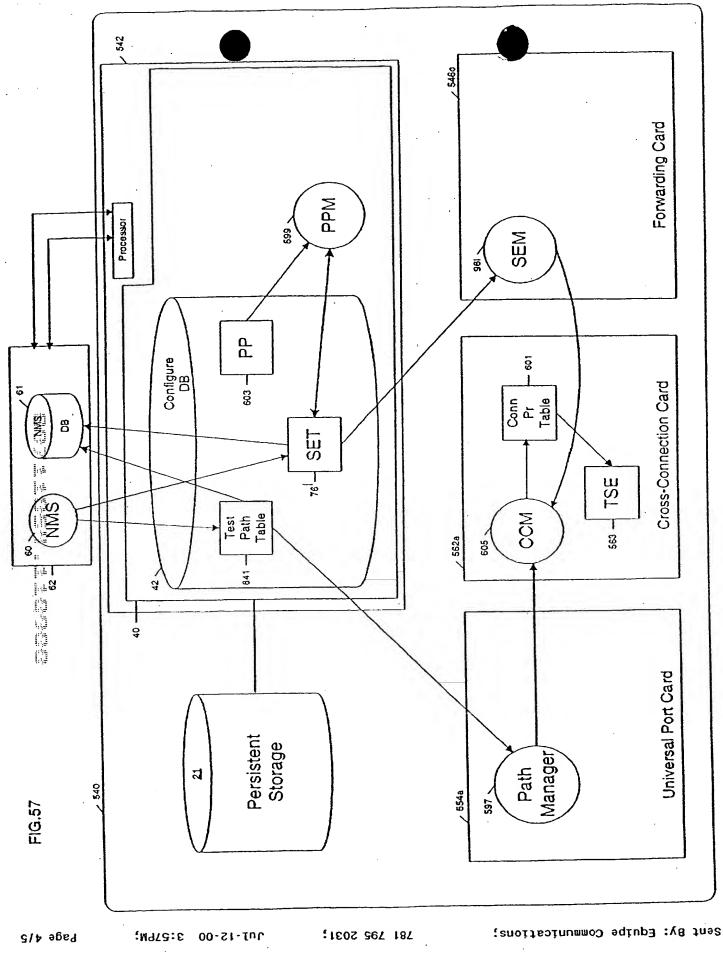


FIG. 58

THE THE TAX THE THE THE TAX THE THE THE THE TAX THE THE TAX THE THE TAX THE TA

		:	• • •
	845	Enable Port Receiver No No Yes	•
Test Path Table 841	844	Monitor Ingress Egress Ingress	
st Path T		# of Time Slots 3	•••
– eš		Time Slot	• • •
		UP Port LID 1232 1233	• •
		Path LID 1666 1666	2
		842	† †

101-12-00 3:57PM;

;1602 267 187

181 795 2031;





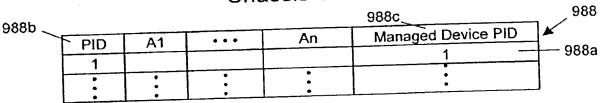
Fig. 60a

Managed Device Table

				← 983
983b PID	A1	• • •	An	903
9030				983a
1 1			<u></u>	5000
<u> </u>				

Fig. 60b

Chassis Table



Shelf Table

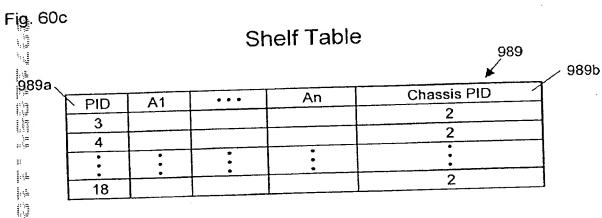
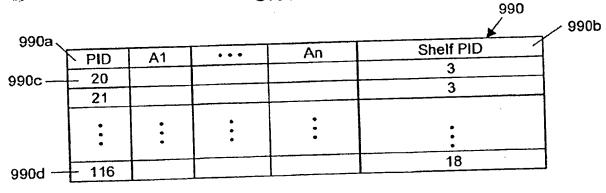


Fig. 60d

Slot Table



CARD TABLE

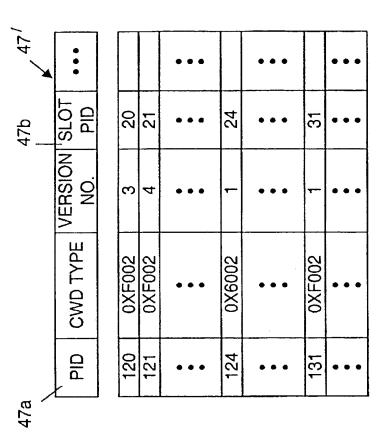


FIG. 60e

VERSION CARD NO. PID 22222 39 49b PORT TABLE PORT TYPE 00620 00620 00620 00820 00620 00620 吕 400 **4**9a

SONET Path Table 600 /

of Time Slots 3 Time Slot 4 9009 Port PID 304 Path LID 600a 901

FIG. 60g

A STATE OF THE STA

	,76b	•
~_	, 76e	Path LID 901
ole 76) 1992	FC Time Slot
Service EndPoint Table 76	76c	Slice PID
se EndF		요
Servic		O # •••
	76a /	SE LID 3000
		<u></u>

\$150S 26Y 18Y



ATM IF Table

114a			11	4b		114"
	ATM IF	ATM Group LID	SE	LID	• • •	-
	5054		30	00	• • •	
	•	•		<u> </u>	•••	





Fig. 60j

Virtual ATM IF Table

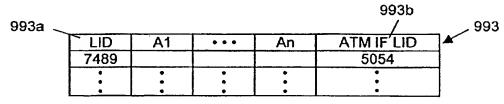


Fig. 60k

Virtual Connection Table

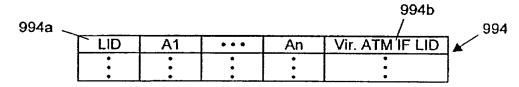


Fig. 60L

Į.ų.

Virtual Link Table

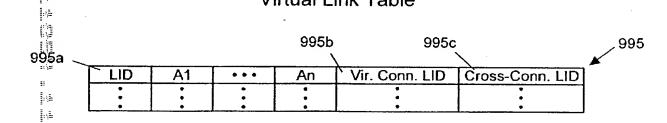
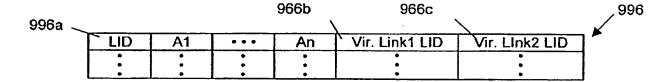
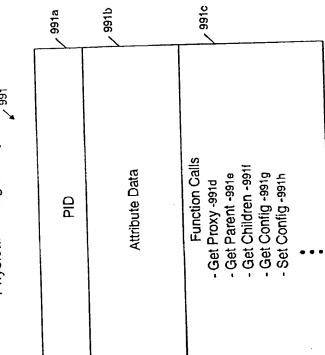


Fig. 60m

Cross-Connect Table



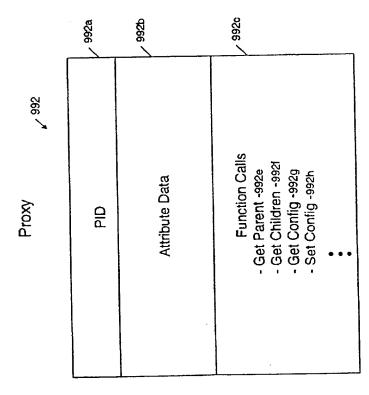
Physical Managed Object 2991



Ë

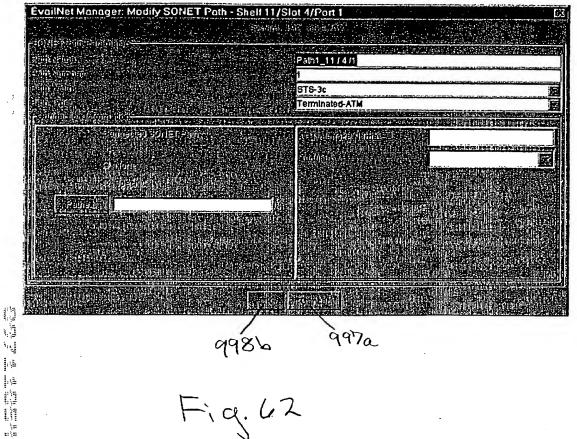
:Mqää:a

1802 367 187



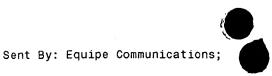
auf By: Equipe Communications;

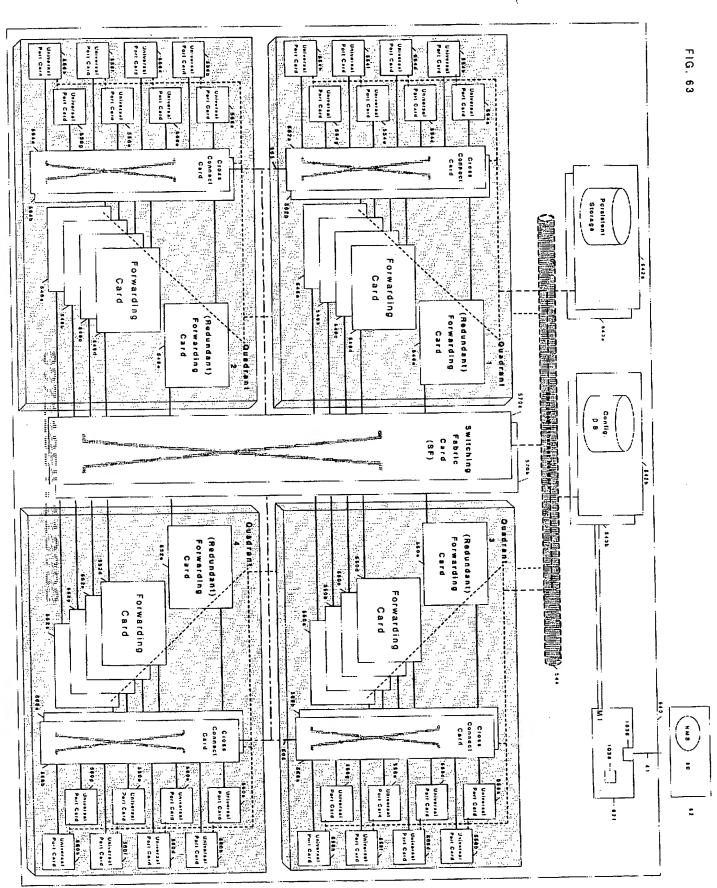


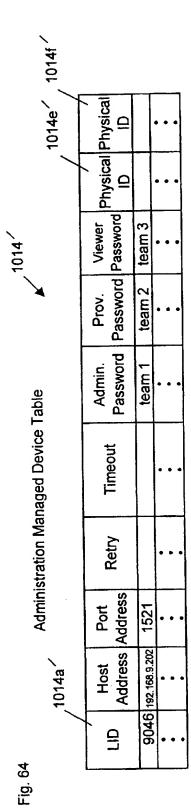


9986 Fig. 62

PΜ;







Sent By: Equipe Communications;

:1602 367 187

:M981:3 00-6-VON



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Rib Data Sheet

CONFIRMATION NO. 6074

		· · · · · · · · · · · · · · · · · · ·				
SERIAL NUMBER 09/711,054	FILING DATE 11/09/2000 RULE	CLASS 713	GROUP ART 2131		ATTORNEY DOCKET NO. 02689-65 (00- U0086)	
APPLICANTS						
Darryl Black, Ho	nb, Hopkinton, MA; ollis, NH; r, Merrimack, NH;					
** CONTINUING DAT	`A *********	**				
WHICH IS A CI AND A CIP OF AND SAID 09/5 IS A CIP OF 09	TION IS A CIP OF 09/P OF 09/687,191 10/12 P OF 09/669,364 09/22 P OF 09/663,947 09/12 P OF 09/656,123 09/02 P OF 09/653,700 08/3 P OF 09/637,800 08/12 P OF 09/633,675 08/02 P OF 09/625,101 07/22 P OF 09/613,940 07/12 P OF 09/613,940 07/12 P OF 09/596,055 06/10 P OF 09/593,034 06/13 P OF 09/591,193 06/02 P OF 09/574,343 05/20/2000 93,034 06/13/2000 /574,440 05/20/2000	2/2000 6/2000 8/2000 6/2000 1/2000 1/2000 4/2000 4/2000 6/2000 3/2000 9/2000 6/2000 0/2000				
IF REQUIRED, FOREIGN FILING LICENSE ** SMALL ENTITY ** GRANTED ** 05/18/2001						
					<u>T</u>	
Foreign Priority claimed 35 USC 119 (a-d) conditions met Verified and Acknowledged Exar	Allowance	state or country MA	SHEETS DRAWING 202	TOTAL CLAIMS 29	INDEPENDENT CLAIMS 4	
ADDRESS 021125						
TITLE						
Network device identity authentication						

RECEIVED		☐ All Fees
		1.16 Fees (Filing)
		1.17 Fees (Processing Ext. of time)
		1.18 Fees (Issue)
		Other
		☐ Credit